Microbiology Abstracts: Section A

# Industrial & Applied Microbiology

Volume 19 number 12 Annual Indexes to Volume 19 1984

> U.I.C. FEB 1 : 1985 LIBRARY

ISSN 0300-838X

Cambridge Scientific Abstracts

# Subscriptions

An annual subscription to Microbiology Abstracts, Section A includes twelve monthly issues, each containing author and subject indexes and the twelfth issue comprising the annual cumulation of both indexes. Subscriptions are entered on a calendar year basis only.

## **Annual subscription rates**

Full details of surface and air delivery rates in the various geographical areas shown below can be obtained from the appropriate office or agent.

## Japan

US Asiatic Company Limited, Tsutsumi Building, 13-12 Shimbashi 1-chome, Minato-ku, Tokyo 105, Japan

## India, Sri Lanka, Bangladesh, Nepal, Burma, Malaysia, Singapore, Indonesia and Thailand

Universal Subscription Agency Pvt. Ltd., 117/Y-1/294 Model Town, Pandu Nagar, Kanpur 208005, India

### Israel

N.P.K. Meida Ltd., P.O. Box 10127, Tel-Aviv 61101, Israel

## Rest of the world

Cambridge Scientific Abstracts, 5161 River Road, Bethesda, MD 20816, USA

©1984 Cambridge Scientific Abstract rights reserved by publisher. No part of publication may be reproduced or transmit any form by any means, electron mechanical, including photocopying, recording and retrieval symptoms without permission in writing from publisher.

Microbiology Abstracts, Section A 0300-838X) is published monthly for US per year by Cambridge Scientific Abs 5161 River Road, Bethesda, MD 2 Second class postage paid at Bethesda, POSTMASTER: Send address chang Cambridge Scientific Abstracts, 5161 Road, Bethesda, MD 20816.

Published and printed by Cambridge Sci Abstracts, 5161 River Road, Bethesda 20816.

# Microbiology Abstracts<sup>®</sup>: Section A

# Industrial & Applied Microbiology

Volume 19 number 12 Annual Indexes to Volume 19 1984

## Editorial staff

Barbara B. Engel
Ray Fisher

awrence L. Pilon

Nicholas Ruth III
Darrell D. Stover

## Foreword

## Microbiology Abstracts, Section A

commenced publication in 1965 and is published monthly. Each issue contains approximately 900 abstracts followed by author, patentee and assignee, and subject indexes.

## Coverage

In compiling each month's issue, CSA's editorial staff monitors approximately 5,000 primary journals as well as patents and other source references for papers falling within the scope of Microbiology Abstracts, Section A

## Subject scope and arrangement of subject matter

The table of contents shows the full scope of the journal.

Abstracts are allocated to the section (subsection) to which they are most relevant and cross-referred to other sections (subsections) where appropriate.

## Using this journal

Full details of the bibliographic data cited for each abstract and of abbreviations used can be found in the first issue of this volume.

uthor Index berg, A. 6664.
hman, G. 6275.
imo, K. 5996.
man, P. 6953.
man, P. 6954.
man, P. 6954.
man, P. 6956.
man, P. 6957.
masser, S. 650, 1674.
masser, S. 650, 1674.
masser, S. 650, 1674.
masser, S. 685.
man, P. 6858.
man, P. 6859.
ma am, S. 6538. amek, J. 3409. amek, L. 865. amowicz, P. 6593. ams, B.W. 6179. ams, D.J. 4308. ams, D.M. 4207, 6974. ams, D.M.Jr. 4283. ams, E.B. 6074, 6075.

Adams, J.C. 4135.
Adams, L.B. 9286.
Adams, M.A. 5541.
Adams, M.A. 5641.
Adams, M.A. 6939.
Adams, M. 1932.
Adams, M. W. 1933, 18554.
Adams, S. J. 7507.
Adams, S. J. 1936.
Adams, J. H. 1936.
Adams, J. H. 1936.
Adams, J. M. 2939.
Adams, S. J. 494.
Adams, T. M. 2939.
Adams, S. J. 1866.
Adb-Alla, M. A. 9102.
Adderly, D. D. 6725.
Adderly, D. D. 6725.
Adderly, D. D. 6725.
Adderly, D. D. 6725.
Adderly, D. A. 2842.
Adessyun, A. A. 8637.
Adesyun, A. A. 8637.
Adessyun, A. A. 8637.
Adessyun, A. A. 8637.
Adisla, W. A. 2049.
Adisla, W. L. 5492.
Adisla, V. A. 2049.
Adisla, W. L. 5492.
Adisla, W. A. 2049.
Adisla, W. L. 5492.
Adisla, W. A. 2049.
Adisla, W. A. 2049.
Adisla, W. C. 5492.
Adisla, W. A. 2049.
A

Ali, S.A. 4132.
Alichanidis, E. 2741.
Alichanidis, E. 2741.
Alichanidis, E. 2741.
Alivizatos, A. 5. 8030.
Alizeva, R.M. 2700.
Aliveya, R.M. 2700.
Anagnostatis, S.L. 368, 8183, 8184.
Ananchev, A.V. 517.
Anancheva, A.P. 518.
Allanden, H.S. 4027.
Allen, D. 4937.
Allen, J. 4905.
Allen-Austin, D. 4937.
Allen, A. L. 3492.
Allen, J. 4905.
Allen, J. 5793., 3794.
Allen, J. 586.
Allen, J. J. 586.
Allen, J. J. 7933., 3794.
Allen, J. F. 1850.
Allen, J. F. 1850.
Allen, J. F. 1850.
Allen, M. E. 427.
Allen, N. E. 327.
Allen, N. E. 328.
Allen, L. 7264.
Allen, J. 585.
Allen, L. 750.
Allen, M. 685.
Allen, J. 585.
Allen, J. 585.
Allen, J. 585.
Allen, J. 685.
Allen, J. 585.
Allen, J. 685.
Allen, J. 585.
Allen, J. 685.
Allen, J. 785.
Anderson, J. 685.
Allen, J. 785.

Antohi, M. 2489.
Antohi, P. 175.
Antohiw, J.F. 1141, 8076, 8928.
Antohi, F. 1775.
Antohiw, J.F. 1141, 8076, 8928.
Antohi, F. 1782, 4929.
Antohi, J. 1782, 8929.
Antohi, F. 1782, 8929.
Antohi, F. 1782, 8929.
Antohi, J. 1786, 1987.
Antohiw, J.F. 1141, 8076, 8928.
Antohi, J. 1782, 1989.
Antohi, J. 1786.
Antohi

Arrete Mascarennas, M. 253.
Arringhaus, R.B. 6648.
Armenise, E. 3719.
Armield, A.Y. 1576.
Armield, W. 1576.
Armield, M. 1576.
Armield, M. 1576.
Armield, M. 1576.
Armon, R. 6740.
Armon, R. 67 Amold, B. 9295. Amold, J.D. 1175. Amold, M. 3048. Amold, M. K. 1238. Amold, W. 6538. Amold, A. 3059. Amon, R. 4078, 6601, 6654.

Auckenthaler, R. 584. Auclair, J. 212. Auclair, J. 212. Auclair, J. 212. Auerman, T.L. 6866. Auger, F. 6499. Augspurger, C.K. 1240. Augustin, H. 1354. Augustin, J. 6488.

Augila, S.S. 4515, 6800.
Aulaich, M.S. 2985.
Aulicin, G. 919.
Aulaich, M.S. 2985.
Aulicin, G. 919.
Auling, G. 919.
Auren, N.G. 5990.
Barbind, A.D. 873, 1922. 5982.
Barbind, A.D. 873, 1923. 5982.
Barbind, A.D. 873, 1922. 5982.
Barbind, A.D. 873, 1923. 5982.
Barbind, A.D. 873, 1922. 5982.
Barbind, A.D. 873, 1923. 5982.
Barbind, A.D. 873, 1923. 5982.
Barbind, A.D. 873, 1922. 5982.
Barbind, A.D. 873, 1923. 5982.
Barbind, A.D. 873, 1922. 5982.
Barbind, A.D. 873, 1923. 5982.
Barbind, A.D. 873, 192

Barnes, D. K. 2979.
Barnes, D. K. 2979.
Barnes, L. W. 14195.
Barnes, L.

Bershtein, I.Y. 4857.
Berta, G. 5560.
Berthelin, J. 394, 8210.
Berthelin, J. 394, 8210.
Berthelin, J. 394, 8210.
Berthelin, J. 397, 1981.
Berthin, D. 7970.
Berthand, W. 9118.
Bertoldini, G. 9189, 9311.
Bertondini, G. 9189, 9311.
Bertrand, M. A. 7429, 7442.
Bertrand, D. 1715.
Bertrand, J. 1715.
Bertrand, J. 6701.
Bertrand, J. 6308.
Bessieres, P. 7708, 7709.
Besson, F. 4886.
Best, D.J. 425.
Best, M. 7528.
Bestett, G. 4425.
Bethell, R. S. 7997.
Bethlenfalvay, G.J. 2135, 8222, 8238.
Betina, V. 1691.

Berenbaum, M.C. 3091.
Berenbaum, M.C. 3091.
Berenbaum, M.C. 3091.
Berendse, F. 8146.
Berenger, J.-F. 1738.
Bereson, T.T. 6846.
Berestelstsky, O.A. 1278.
Berezin, I.V. 5077. 6877. 7856.
Berg, D. 8314.
Berezin, I.V. 5077. 6877. 7856.
Berg, D. 8314.
Berg, G.H. 1193.
Berg, H. 956.
Berg, G.H. 1193.
Berg, H. 956.
Berg, H.G. 3116.
Berg, H.H. 4604.
Bergan, T. 4839, 4843, 7365, 7366, 7595.
Bergdahl, D.R. 3916.
Bergdoll, M.S. 8751.
Berger, R.D. 237.
Berger, R.D. 237.
Berger, R.D. 237.
Berger, R.D. 238.
Bergeres, S.A. 2222, 2278, 2538, 3812
Bergeres, F.J. 2610, 2959.
Bergman, J. W. 1144, 1145.
Bergman, J. W. 1144, 1145.
Bergman, J. W. 1144, 1145.
Bergman, D. E. 4772, 5747.
Bergstrom, G.C. 8776.
Bergstrom, D. E. 4772, 5747.
Bergstrom, D. E. 4772, 5747.
Bergstrom, R.L. 452, 6723, 7539.
Berkelley, R.C. W. 1036, 5052.
Berkelman, R.L. 452, 6723, 7539.
Bernand, R. 1588.
Berman, D. 1500, 8324.
Berman, D. 1500, 8324.
Berman, D. 1500, 8324.
Berman, R. L. 452, 6723, 7539.
Bernhardt, F.-H. 5176.
Bernhardt, F.-H. 5176.
Bernhardt, R. 8631.
Berndt, M. 6078.
Bernhardt, R. 831.
Berndt, M. 6078.
Bernhardt, R. 831.
Berndt, M. 6078.
Berny, R.K. 5184.
Berny, R.W. 7811.
Berrie, C.C. 1198, 2882, 3873.
Berry, R.W. 3818.
Bersani, G. 538.
Bersy, R.R. 439.
Berry, R.R. 5184.
Berry, R.W. 5184.
Berry, R.W. 5181.
Berry, R.W. 5183.
Bersy, R.W. 5183.
Bersy, R.W. 5183.
Bersy, R.W. 5183.
Bersy, R.W. 5184.
Berry, R.W. 5185.
Berry, R.R. 5186.
Berry, R.R. 51 Bieth, G. 3025.
Bigelow, J. 2238.
Biglow, J. 2238.
Bijklor, W. 308.
Bijklor, S.F. 2589.
Bilkunova, A.N. 4396.
Bilai, T. 180.
Bilai, T Bestetti, G. 4425.
Berth, E. 599.
Berth, B. 599.
Berthela, R. 5384.
Berthell, R. S. 7997.
Berthlerlathavay, G.J. 2135, 8222,
8238.
Bertina, V. 1691.
Berto, E. 3059.
Bertin, B. 7624.
Bertin, G. 7624.
Bertin, B. 7624.
Bertin, B.

Blum, D. 7529.
Blum, H.E. 6612.
Blumauerova, M. 4674, 4737.
Blumer, J. L. 5725.
Blumer, S. O. 4228.
Blumer, S. O. 4228.
Blumer, S. O. 4228.
Blumer, B. G. 405.
Blumer, S. O. 4228.
Blumer, B. G. 405.
Board, B. G. 6405.
Board, R. G. 3388, 4010, 4240.
Boardman, B. D. 475, 6484.
Bobey, D. G. 7342.
Bocharov, B. 1029.
Bocharov, A. B. 1029.
Bocharov, A. B. 1029.
Bocharov, H. 4872, 8672.
Bocks, B. 1895.

Bicwas, A. 6582.
Bisz, Conarzeweka, A. 9236.
Bitt, S.W. 6733.
Bitter, G.A. 6608, 7775.
Bitterlin, M. W. 7994.
Bittle, J.L. 6614, 6659.
Bitterlin, M. 4804.
Bitton, G. 2331, 4927, 5828.
Bitylovova, L.B. 2140.
Biblylovova, L. Bono, J.J. 5309.
Bonora, G.M. 3140.
Bontoux, J. 5826.
Boon, R.J. 1335.
Boone, D.M. 8041.
Boone, D.R. 6398.
Boone, E.J. 5003.
Boone, E.J. 5003.
Boone, E. 16661.
Boote, K.J. 237.
Booth, A. 1712.
Booth, B.A. 34.
Booth, J.C. 2438.
Booth, J.C. 2438.
Booth, J.C. 2438.
Booth, J.C. 2438.
Booth, J.C. 5793.
Borolard, B.M. 5646, 7848.
Boparia, K.S. 5779.
Bopp, C.A. 1589.
Borquien, C.Y. 1716.
Boraker, D.K. 1621.
Borald, J. 3152.
Bordeleau, L.M. 3962, 8234.

Borges, O. 5502
Borghi, A. 8384
Borsienok, W. S. 5865.
Borisova, V. N. 2309, 4605.
Borisova, V. N. 2309, 4605.
Borrisova, V. N. 2309, 4606.
Borrisova, V. N. 2309, 4607.
Borrisova, V. 1409.
Bradadova, V. 1 Bowien, B. 6840. Bowra, B. 8991. Bowtell, D.D. 3087.

Bridle, T.R. 2373. Brienza, A. 6507. Brigds, D.J. 5074. Briggs, D.J. 5074. Briggs, S.P. 7902. Bright, G.M. 3123. Brikenshtein, V.Kh. 6066. Brill, W.J. 5651. Brillouet, J.-M. 7751. Brinckman, F.E. 1028.

Brinkerhoff, L.A. 2832.
Brinkon, C.C. Jr. 538.
Brindent, I. 6473.
Brisbane, P.G. 3778.
Britton, R.A. 2747.
Britton, L.N. 8276.
Britton, R.A. 2747.
Britton, V.J. 5918.
Britton, R.A. 2747.
Britton, R.A. 2747.
Britton, R.A. 2747.
Broad, R.A. 17553.
Brocacil, R.A. 17553.
Brocacil, R.A. 17553.
Brocacil, G. 4823.
Brocacil, G. 4824.
Brockett, B.E. 1456.
Brodes, P. 1858.
Broden, R. 1858.
Broden, B. 5224.
Broches, R. M. 536.
Bromield, K.B. 1771.
Broda, E. 2718.
Broches, P.D. 8438.
Broden, B. 5826.
Bromeled, K.B. 18755.
Brockett, B. 18555.
Brockett, B.

Brummer, L. 4109.
Brummer, E. 2535.
Brun, P. 4479, 6540.
Brunner, D. 3109.
Brunner, W. 2127.
Brunner, D. 3109.
Brunner,

Cantliffe, D.J. 1228, 3804.
Cantor, R.R. 2178.
Cantroell, M.A. 8996.
Cantroell, M.A. 8996.
Cantwell, G.E. 125, 6103.
Cao, H.Y. 7907.
Capasso, P. 8704.
Capasso, P. 8704.
Capasso, P. 8704.
Caporol, S.P. 8775.
Cappol, V. 7876.
Cappellett, I. 1402.
Caproil, A. 3753.
Capuruzo, M. 6719.
Caproil, J. 3753.
Capuruzo, M. 6719.
Caproil, J. 3753.
Capuruzo, M. 6719.
Carbon, J. B. 265.
Cardon, J. B. 265.
Cardon, J. B. 265.
Cardon, J. B. 265.
Cardon, J. B. 545.
Cardon, J. B. 545.
Cardon, J. B. 545.
Cardon, J. A. 5445.
Cardon, J. B. 545.
Cardon, J. B. 545.
Cardon, J. B. 545.
Cardon, J. Cardon, J. S. 545.
Cardon, J. Cardon,

Author Index

Opan Services R.D. 8000. Opan Services S. 7008. Opan Services S. 7008. Opan S. 27. 2009. Opan S. 27. 2009.

Coppi, G. 3111.
Coppolecchia, P. 1551.
Corbell, M. J. 5063.
Corbellini, C. N. 7059.
Corbellini, C. N. 7059.
Corbell, D. F. 6579.
Corbelt, D. F. 6579.
Corbelt, D. F. 6579.
Corbon, J. L. 1816.
Corbon, J. 1816.
Cordonomer, J. 2608.
Cordonomer, J. 2612.
Cork, D. J. 3977.
Cork, D. J. 3977.
Corke, C. T. 2174, 6161.
Corriet, D. C. 1642.
Corman, A. 7289, 9016.
Cormer, J. 1810.
Corner, J. 1810.
Cormer, J. 1810.
Corner, J. 1810.
C

Cox, D. L. 5034
Cox, R. H. 19157, Correller, B. M. 7148, Correller,

De Viries, K. 2533.
De Wald, M. A. 2843, 8296.
De Wald, M. A. 2847, 8297.
De Wilde, M. A. 2775.
De Wilde, M. 2775.
De Wilde

Del Carrieri Matesia, N. 1993.
Dela Cruz, Y. 7162.
Delaney, G. M. 5242, 5243, 6099, 6101.
Delaney, G. M. 5242, 5243, 6099, 6101.
Delaney, F. 6145.
Devsnup, D. H. 3090.
Dexter, J. 6275.
Delaney, F. 6145.
Devsnup, D. H. 3090.
Dexter, J. 6276.
Delaney, F. 6145.
Devsnup, D. H. 3090.
Dexter, J. 6276.
Delaney, F. 6145.
Devsnup, D. H. 3090.
Dexter, J. 6276.
Delaney, F. 6145.
Devsnup, D. H. 3090.
Dexter, J. 6276.
Delaney, F. 6145.
Devsnup, F. 6145.
Devsnup, D. H. 3090.
Dexter, J. 6276.
Delaney, F. 6145.
Devsnup, D. H. 3090.
Dexter, J. 6276.
Delaney, F. 6145.
Devsnup, D. H. 3090.
Dexter, J. 6276.
Devsnup, D. H. 3090.
Dexter, J. 6286.
Dext

Denat, J.P. 6692.
Deneer, H.G. 3027.
Deng, M. 5010.
Deng, M.Y. 9277.
Deng, H.-L. 7392.
Denisson, R.F. 7293.
Denissov, Yu.V. 966.
Denisova, T.S. 2193.
Denklau, D. 4374.
Dennery, C.M. 4463.
Denner, W.H.B. 43.

Dias, R. 5626
Diaz, A. M. 3250.
Diaz, L. F. 3199.
Diaz, L. F. 3199.
Diaz, L. F. 3199.
Diaz, L. F. 3199.
Dibb, W.L. 2502, 2505, 6453.
DiBlasio, D. 3930.
Dick, T. 3100, 8811.
Dick, W. 5120.
Dickens, J. S. W. 3398.
Dickens, J. W. 7070.
Dickinson, C. H. 7254.
Dickson, E. T., Jr. 7372.
Dickson, K.L. 7497.

Duglass, J.T. 5032.
Douglas, J.T. 5057, 5901.
Douglas, J.A. 5066.
Dmitrienko, G.I. 1780.
Dmitrievskii, A.A. 6486.
Dmitrovskii, A.A. 6486.
Dmitrovskii, A.A. 6486.
Dmitrovskii, A.A. 6486.
Douglas, J.A. 2062.
Douglas, J.A. 2066.
Douglas, J.A. 2062.
Douglas, J.T. 5057, 5901.
Douglas, J.A. 5062, 2985.
Douglas, J.A. 5062.
Douglas, J.A. 6138.
Douglas, J.A. 618.
Douglas, J.A.

Doerr, M. 8519.
Dohn, Y. 7107.
Dohn, P. A. 8682.
Dolak, L. A. 2297. 4877, 5792.
Dolak, L. A. 6249.
Dolby, C. A. 6249.
Dolgh, L. M. 1287.
Dolgova, L. G. 21417.
Dolgova, L. G. 21417.
Domach, M. 1597, 4173, 9294.
Domanski, S. 366.
Domarco, M. 1365.
Domarski, G. 94317.
Domanski, G. 1499.
Domoroschchenkova, M.L. 5089.
Domoroschchenkova, M.L. 5089.
Domoroschchenkova, M.L. 8485.
Domach, K. 5680.
Domoroschchenkova, M.L. 5089.
Domanski, G. 1449.
Donati, G. 2674.
Donati, G. 2674.
Donati, G. 2674.
Donati, G. 2675.
Donelli, G. 3753.
Doneltz, A.P. 2418.
Donnelly, M. 219.
Donnelly, K.C. 4919.
Donnelly, K.C. 4919.
Donnelly, M. 271, 6205, 8755.
Dorentin, D. 2888.
Domorot, D. 5883.
Dorentin, D. 2488, 8293.
Dorentin, D. 5883.
Do

Dressman, G.R. 4154, 6609, 66
Dreisker, D.W. 7880.
Dreizen, S. 6730.
Dressler, E. 2791.
Drevon, J.-J. 4664.
Drew, S.W. 518, 5805.
Drews, G. 5989.
Dreytus, B.L. 2914.
Droib, E. 764.
Driob, E. 764.
Driver, M.J. 7433.
Drobnica, L. 6488.
Droby, S. 2822, 6284.
Drobysheva, T.N. 2313.
Drouer, H. 2052.
Drow, D.L. 2465, 3321.
Drove, D.L. 2465, 3321.
Drozdo-Tikhomirov, L.N. 8512. Drozdov, T.P. 8599 Drozdov-Tikhomirov, L.N. 8512. Drozdov, S.G. 4928. Drozdowicz, A. 4658, 7272. Dru, J. 424.

Dru, J. 424.
Drusano, G. L. 7431, 9186.
Drusano, G. R. 17158.
Du, G. 3277.
Duan, D.-H. 8139.
Duan, S.-M. 487.
Duan, D.-H. 8139.
Duan, S.-M. 487.
Duarte, J.M. C. 108, 3525.
Duarte, J.M. C. 108, 3525.
Duax, W. L. 6834.
Dube, D. K. 8571.
Dubensky, T. W. 6744.
Dubetz, S. 8247.
Dubensky, T. W. 6744.
Dubetz, S. 8247.
Dubensky, T. W. 6744.
Dubetz, S. 8247.
Dubensky, A. G. 2319.
Dubinin, F. 6542.
Dubinina, G.P. 8549.
Dubinina, G.P. 8549.
Dubinina, G.P. 8549.
Dubourdeul, D. 4410.
Dubourguier, H.C. 9671.
Dubov, S. 4570.
Dubreull, L. 6549.
Ducate, M.J. 670.
Ducke, P. 5269.
Duddensky, L. G. 1006, 6155.
Duddridge, J.A. 5573.
Dudensky, E. 3798.
Dudman, W.F. 2633.
Duermeyer, W. 6748.
Dufour, A.P. 4947.
Dugan, I.N. 912.
Dugan, P.R. 1311.
Dughr, M. 912.
Dugan, P.R. 1311.
Dughr, M. 914.
Duphy, J.R. 222.
Dulmage, G. 7427.
Dupan, P.R. 1311.
Dughr, M. 1912.
Dunnar, J.C. 8016, 8830.
Duhoux, E. 3798.
Dunnar, J. S. 2326, 2471.
Duncan, K. 7714.
Dunnar, J. S. 2326, 2471.
Duncan, K. 7714.
Dunnar, J. S. 2326, 2471.
Duncan, J. M. 390.
Dunnar, J. H. 3862.
Dunnill, P. 1806.
Dunnill, P. 1806.
Dunnill, P. 1807.
Dunnill, P. 1800.
Dunny, G. M. 430.
Dunny, G. M. 430.
Dunny, J. M. 390.
Dunny, G. M. 430.
Dunny, G. M. 430.
Dunny, J. M. 2897.
Dunnill, P. 1600.
Dunny, G. M. 430.
Dunny, E. 531.
Dunnar, J. 4716, 6546.
Dunnar, H. 2827.
Dunnar, H. 2

Durant, F. 6832.
Durbin, R.D. 6209.
Dure, L., Ill 3391.
Durgan, M.E. 8066.
Durgapal, R. 6469.
Durgon, E.L. 8468.
Durska, G. 2180, 5614.
Dus, K.M. 6000.
Dussaix, E. 1863.
Duteutre, B. 984.
Dutka, B.J. 543.
Dutschman, G.F. 6125. Dutourire, B. 984.
Dutha B.J. 543.
Dutschman, G.E. 9125.
Dutta, A. 3529.
Dutta, G.N. 3050, 3729.
Dutta, G.N. 3050, 3729.
Dutta, G.N. 3050, 3729.
Dutta, J. 4382, 5217.
Dutta, S.K. 3246.
Dutton, M.F. 2760.
Dutton, M.F. 2760.
Dutton, M.F. 2331.
Duval, J. 5768, 6541.
Duvack, J.P. 6282, 6285.
Dvorak, J. 4216.
Dvorak, J. 4216.
Dyrak, J. 4216.
Dyrak, P.L. 8907.
Dyrak, G.N. 2900.
Dyrak, J. 4717.
Dyrak, G.V. 2900.
Dyrak, J. 2717.
Dyrak, G.V. 2900.
Dyrak, J. 47480.
Dzagurova, J. 47480.
Dzagurova, J. 47490.
Dzagurova,

Elazhary, M.A.S.Y. 6737, 7563. Elder, B.L. 1627. Elder, J.H. 3539, 6749. Elder, J.H. 3539, 6749. Elder, J.H. 3539, 6749. Elder, B.L. 1627. Elder, J.H. 3539, 6749. Eldridge, B.J. 8805. Eggers, H.J. 591, 5878. Elg., A. 6514, 8544, Elgersma, D.M. 7200. Elgridge, M. 4. 5144, 5170, 5997. Elia, S. 4531. Elger, C. 7589. Elia, S. 4531. Elgerorov, I.A. 4405, 4417, 5171, 7813, Electrope, E.D. 7809. Elg., C. 7589. Elg. Dutton, M.F. 2780.
December 288.
Dutton, M.F. 2780.
Dutton, M.F. 2881.
Dutton, M.F. 2780.
Dutton, M.F. 2881.
Dutton, M.F. 2780.
Dutton, M.F. 2881.

Elizhary, M.A.S.Y. 6737, 7963.
Elider, B.L. 1921.
Elider, J.H. 3539, 6749
Elider, S. 1965.
Eliger, J. 1965.
Eliger, J. 1965.
Eliger, J. 1965.
Eliger, J. 1969.
Eliger, J. 1969.
Eliger, J. 1969.
Elicer, C. 2788.
Eliger, J. 1969.
Elicer, C. 2788.
Elicer, T. 1969.
Elicer, C. 1978.

Fath-Alia, R.N. 4653.
Fatichenti, F. 990, 993.
Fatig, R.O., Ill 6578.
Fatolo, O.S. 0281.
Fattal, B. 238.
Fattal, B. 258.
Fattal, F. 158.
Fatta Faure T. 1599
Faure J. 1599
Faure J. 1599
Faure J. M. 458.
Favaudon, V. 861
Favero, M. S. 472, 1517, 7539.
Favre, H. 1544.
Fay, D. 2280.
Fayre, M. 5929
Favre, M. 5929
Favre, M. 5929
Favre, M. 5929
Feachem, R. G. 7529.
Federick, F. 8603
Ferency, J. C. 712, 1094, 2494, 2508, 2511, 5389.
Feero, J. M. 5265
Fehrmann, T. 7948, 8129
Feichlen, N. E. H. 1488
Fein, J. E. 3615, 6935
Feinberg, M. 1942
Feicker, F. R. 188, 2510
Fekety, F. R. 1892
Feicker, F. R. 188, 2510
Fekety, F. R. 1892
Feidman, A. W. 5625
Feidman, F. A. 7414
Feldman, W. E. 1584
Felegie, T. P. 3091
Felika, V. 4067
Fellows, P. J. 7831
Fern, M. E. 8124
Fern, J. F. 8608
Fernick, D. J. 7681
Ferny, J. B. 2394
Fernandez, G. B. 3294
Fernandez, M. 1547
Fernandez, M. 1548
Fernandez, M. 1547
Fernandez, M. 1548
Fernandez, M. 1547
Fernandez, M. 1548
Fernandez, M. 1549
Fernandez, G. 6717
Ferrander, J. 7660
Ferris, J. J. 7660
Ferris, J. J. 7660
Ferris, R. J. 7693
Ferrand, M. J. 7693
Ferrander, M. J. 4614
Ferrandez, M. 15497
Ferrandez, M. 15497
Ferrandez, M. 15497
Ferrandez,

Ferry, J.G. 6825. Fersht, A.R. 8573. Ferster, P.J. 7608. Fesik, S.W. 6553. Fett, W.F. 2058. Fevrier, C. 1917. Fey, H. 1947. Flacco, V. 8441. Fleichter, A. 179, 546, 802, 2544, 3599, 4442, 6922, 7308, 8654.

Fives-Taylor, P.M. 1621.
Flahardry, D.K. 1943, 1944.
Flamand, A. 6629.
Flammer, R. 1903.
Flamand, R. 6629.
Flammer, R. 1903.
Flandrois, J.P. 7404.
Flattery, K.E. 967.
Flawis, M.M. 7753.
Fleck, W. F. 116, 1754, 6068, 7474.
Fleider, J. 8029.
Fleigei, T.W. 33, 6653.
Fleige, F. W. 33, 6654.
Fleigei, T.W. 34, 6668, 7474.
Fleiming, H.P. 5316, 6890, 7003, 7871.
Fleming, H.P. 5316, 7890, 789

Frerichs, G.N. 7487.
Frerotte, B. 4439.
Frestotte, B. 4439.
Fresnedb, J.A. 6309
Fresquez, P.R. 3909.
Fresquez, P.R. 3909.
Frey, N.M. 780.
Frey Tinkuda, 1, 56.53, 50.54.
Flokuda, S. 0622, 578.
Flokuda, S. 0622, 578.
Flokuda, S. 0722, 578.
Flokuda, S. 107, 141, 850, 5155, 6046, 8570.
Flukum, H. 3176.
Flukumori, Y. 5990.
Flukumira, K. 1366.
Flukunaga, T. 1553.
Flukushi, K. 3759, 4476, 4477.
Flukushi, K. 3759, 4476, 4477.
Flukushima, H. 7007.
Flukushima, J. 1777.
Flukushima, K. 3144, 3145, 4
Flukushima, M. 1022.
Flukushima, M. 1022.
Flukushima, S. 168, 3641.

Gassner, D. 5954.
Gasson, M.J. 3146.
Gassaldi, D. 7586.
Gastaldi, S. 6483.
Gastaldo, L. 9190.
Gaston, M.A. 3296.
Gastaldo, L. 9190.
Gaston, M.A. 3296.
Gallenberk, S. 5113.
Galles-Pavis, D.R. 3316.
Gallenberk, G.M. 2757, 4048, 5796.
Gallenberk, G.M. 2757, 4048, 5796.
Gallenberk, G.M. 2757, 4048, 5796.
Gallenberk, J. 552.
Gauler, G.M. 2757, 4048, 5796.
Gauler, G.M. 2757, 4048, 5796.
Gauler, S. Gallenberk, G. Gallenberk, G. St. 6886.
Gauler, S. G. 6886.
Gauler, G. G. 7886.
Gauler, G. G. 7886.
Gauler, G. F. 3128, 4060.
Gavan, T. L. 503, 706, 1642, 2238, 2262, 3073, 5804, 6527, 7439.
Gavarzoni, A. 4940.
Gavillova, N. N. 3583.
Gavillova, N. N. 3583.
Gavillova, N. N. 3583.
Gavillova, V. P. 4317.
Gavillova, G. 6886.
Gay, J. D. 9086.
Gay, J. 9086.
Gay, J. 9086.
Gay, J. 9086.
Gay, J. 9086.
Gazyan, I. G. 5144, 5997.
Gazyo, G. L. 4743.
Gbaja, L. S. 5407, 6224, 6236.
Gabell, G. T. 8948.
Gededat, J. 4783.
Geballe, G. T. 8948.
Gededat, J. 7183.
Geballe, G. T. 8948.
Gededed, Y. J. 18218.
Geddede, B. 2761, 7095.
Geells, F. P. 2880.
Gerlin, J. 904, 5187, 7683.
Gebren, J. 5462.
Geells, F. 7880.
Genning, R. J. 4940.
Gerlins, F. 8980.
Gemmai, J. M. 5890.
Gemmil, C. G. 787.
Gerlin, J. 1826.
Genning, R. J. 1413, 4273.
George, M. J. 1826.
Genning, R. J. 1433.
George, M. J. 1836.
Genning, R. J. 1434.
George, S. 3407.
George, J. L. 8946.
Genning, R. J. 1433.
George, J. L. 8946.
Genning, R. J. 1433.
George, J. J. 4946.
George, M. J. 1836.
Genning, R. J. 1413, 4273.
George, S. 3407.
George, S. 3

9283 Gerbaud, G. 4691. Gerber, N.N. 2648. Gerber, P. 6369. Gerday, C. 5762. Gerday, D. 3228, 5785, 7412, 7425, 7609. Gerech'er-Amitai, Z.K. 3860. Gereny, R.J. 6618.

Gerfaux, G. 6593.
Gerhardt, P. 2740, 3606.
Gerhardt, P. 2740, 3606.
Gerhardt, M. A. 2211.
Gerichter, C.B. 762.
Gerichter, C.B. 762.
Gerik, T.J. 2926, 5437.
Gerin, J.L. 597, 6615, 6640.
Gerik, T.J. 2926, 5437.
Gerin, J.L. 597, 6615, 6640.
Gerlach, D. 1956, 2764, 8752.
Gerlach, E.H. 483, 6455, 6527.
Gerlott, M. 7506.
Gerlott, M. 292, 4302.
Gerlott, M. 292, 4302.
Gershman, H. 36.
Gerlott, M. 292, 4302.
Gershman, H. 36.
Gerson, D.F. 3006.
Gershon, A.A. 1566.
Gerson, D.F. 3006.
Gerlott, M. 2921, 3120.
Gerlott, M. 2921, 3120.
Gerlott, M. 2921, 3120.
Gerlott, M. 2921, 3120.
Gerlott, M. 3636.
Gershon, A. 1686.
Gerson, D.F. 3006.
Gessler, C. 7988.
Gestreius, S. 165, 4045.
Gething, M. J. 6636.
Gettleman, L. 2420.
Geuenich, H. 3650.
Gettleman, L. 2420.
Geuenich, H. 3650.
Gettleman, M. 2175, 2671.
Ghate, S.R. 8090, 8871.
Ghaze, F. 7869.
Gharen, A. 7363.
Gharpuray, M.M. 3658.
Gharpuray, M.M. 3658.
Gharpuray, M.M. 3658.
Gharpuray, M.M. 3658.
Ghassemi, M. 2175, 2671.
Ghate, S.R. 8090, 8871.
Ghaze, F. 7469.
Ghaze, F. 7469.
Ghiorse, W.C. 5613.
Ghininghelli, D. 8631.
Ghisalba, C. 1015, 1016, 1017.
Ghobashy, A.A 6349.
Ghost, B. K. 7793.
Ghiorse, W.C. 5813.
Ghisalba, C. 1015, 1016, 1017.
Ghobashy, A.A 6349.
Glamarian, J. 3847.
Glamarian, J. 3847.
Glamarian, J. 3847.
Glamarian, J. 3849.
G

Gibson, W. 4762.
Gidley, M.J. 2216.
Gidley, M.J. 2216.
Giebink, G.S. 1662.
Giebink, G.S. 1662.
Giebink, G.S. 1662.
Giebink, G.S. 1662.
Gielkens, A.L.J. 6743.
Giesa, P.A. 4074, 6592, 6646.
Gillens, A. 4074, 6592, 6646.
Gillen, G. M. 1669, 2495.
Gill. J. A. 1680, 2495.
Gill. J. A. 1680.
Gilbert, J. 7104.
Gilbert, J. 7104.
Gilbert, P. 9265.
Gill. J. A. 1680.
Gilbertson, J.R. 9181.
Gilbert, P. 9265.
Gillon, A. 363.
Gilbort, A. 86.
Gilbride, K.A. 739.
Gildor, A. 363.
Gildor, F. E. 260.
Gilkes, N.R. 6017.
Gildor, F. A. 5500.
Gildor, A. 363.
Gildor, F. E. 260.
Gilkes, N.R. 6017.
Gill, S. S. 8069.
Gill. C.O. 3711.
Gill, S. 1675.
Gill, P. 725, 3051.
Gill, R. 785.
Gillen, F. 6650.
Gillen, M. F. 4013.
Giller, M. A. 1913.
Giller, M. M. 1917.
Gillespie, J. B. 2660.
Giller, M. R. 4013.
Giller, M. T. 9178.
Gillespie, J. B. 2660.
Giller, M. R. 4013.
Giller, M. T. 9178.
Gillespie, J. B. 2660.
Giller, M. A. 1913.
Giller, M. 1914.
Giller, M. A. 1915.
Giller, M. A. 1916.
Gillor, R. 499.
Giller, M. A. 1917.
Giller, M. A. 1917.
Giller, M. A. 1916.
Gillor, M. A. 1916.
Gillor,

Clobe M.P. 7314.
Clobe

Gushima, H. 6849 Guskey, L.E. 8449, 9127, 9255. Guss, S.P. 9185. Gussin, E.J. 1203 Gust, I.D. 6634, 8454. Gustafson, D.P. 488, 617. Gustafsson, D.P. 488, 617. Gustafsson, M. 2840. Gustafsson, M. 2840. Gustafsson, M. 2840. Gustavsson, I. 2840. Guth, J.H. 1774. Guthixonda, R. 6576. Guthind, G. 4012. Guther, M. A. 1035. Guther, D. 8270. Gutten, M. S. 788. Gutten, V. 9124. Gutter, V. 9124. Gutter, V. 9124. Gutter, V. 9124. Gutter, V. 9126. Gutten, M.S. 788. Guyer, M.S. 788. Guyer, M.S. 788. Guzev, V.S. 1270. Guzhova, E.P. 1889. Gvosdyak, P.I. 7618. Gwynn, M. 3135. Gyarmat, I. 4965. Gyyax, D. 8607. Gyongyossy-lesa, M.I.C. 5376. Gyr, K. 5921, 9088. Gusher, H. 6840, 9177, 9255.
Gusher, S. P. 9185.
Gusher, S. 9185.
Hall, J. 5018.
Hall,

Hall, B.J. 2643. Hall, C.B. 4546. Hall, D. 6093. Hall, G.H. 8470. Hall, I.M. 6083. Hall, I.B. 7253, 8971.

Hankin, L. 8976.
Hanna, H.R. 4032.
Hannah, P. 793.
Hannan, R. 8114.
Hannis, C. M. 8383.
Harris, C.M. 8383.
Harris, C.R. 6387.
Hanners, P.K. 8966.
Harris, D.C. 5445.
Harris, D.C. 6445.
Harris, J.R. 663.
Harris, J.R. 663.
Harris, M. 2497.
Harris, P.J. 1681.
Harris, P.J. 1681.
Harris, R.I. 1941.
Harris, R.I. 1947.
Harris, R.I. 1941.
Harris, R.I. 1941.
Harris, R.I. 1941.
Harris, R.I. 1947.
Harris, R.I. 1941.
Harris, R.I. 1947.
Harris, R.I. 1941.
Harris, R.I. 1947.
Harris, R.I.

Hart, G.M. 4083, Hart, J.H. 7233, 8945, Hart, L.P. 4580, 5385, 5419, Hart, R.J. C. 2441, 4156. Hartel, P.G. 2951, 8241, Hart, R.J. C. 2441, 4156. Hartel, P.G. 2951, 8241, Hartemann, P. 1494, 4092, 4150. Hartin, K.E. 2746, Hartiny, D.L. 5795, 6431, Hartiny, M.G.N. 5113, 8588, Hartiny, M.G.N. 5114, 8588, Hartiny, M.G.N. 5114, 8588, Hartiny, M.G.N. 5114, 8588, Hartiny, M.G.N. 5114, 8499, 4408, Hartiny, A.C. 3831, Hartiny, A.C. 3831, Hartiny, A.C. 3831, Hartiny, M.G.N. 5114, 8499, Hartiny, M.G.N. 5114, 8499, Hartiny, M.G.N. 5114, 8491, Hartiny, M.G.N. 5114, 4493, Hartiny, M.G.N. 5114, 8491, Hartiny, M.G. 515, Hartiny, J.J. 1682, Hassimolo, H. 3041, Hartiny, M.G. 515, Hartiny, J.J. 1682, Hartiny,

Hattori, Y. 7479.
Hauffer, U. 4796.
Hauffer, U. 4796.
Haugland, R.A. 8999.
Hausinger, R.P., 4291, 8560.
Hauska, G. 4253.
Hausinger, R.P., 4291, 8560.
Hauska, G. 4253.
Hausinger, S.P., 4291, 8560.
Hauska, G. 4253.
Hausinger, S.P., 4291, 8560.
Hauska, G. 4253.
Hausinger, S.P., 4291, 8560.
Hausinger, S.P., 4291, 8560.
Hawlik, I. 4679, 9235.
Havlik, J. 9043.
Havelik, J. 9043.
Hawlik, I. 4679, 9235.
Hawlik, J. 9043.
Hawlik, I. 4679, 9235.
Hawlik, J. 9043.
Hawlik, J. 4679, 9235.
Hawlik, J. 9043.
Hawlik, J. 4679, 9235.
Hawlik, J. 9043.
Hawlik, J. 8665.
Hawlik, J. 8665.
Hawlik, J. 4674, 1380, 1665.
Hayl, J. 4626.
Haylakawa, J. 5321.
Haylakawa, J. 5321.
Haylakawa, J. 5321.
Haylakawa, Y. 980, 3541.
Haylakawa, Y. 980, 3541.
Hayashi, W. 1987, 9879.
Hayashi, M. 4347, 5979.
Hayashi, M. 4284.
Hayashik, S. 159, 3471, 3540, 6994, 6150.
Hayashik, B. 1911.

S994, 6150.
Hayashiya, K. 9113.
Hayati, J. 8022.
Hayden, F. G. 3066.
Hayer, K.W.O. 4557.
Hayes, C. 3330, 9306.
Hayes, P. S. 1084.
Hayes, S. 3330, 9306.
Hayes, P. S. 1084.
Hayes, S. 3330, 9306.
Hayes, P. S. 1084.
Hayes, W. A. 6995.
Hayhes, J.H. 7890.
Haynes, J. B. 72205, 5448, 5643.
Haylock, R. 27205, 5448, 5643.
Haylock, R. 27205, 5448, 5643.
Haylock, R. 27205, 5448, 5643.
Haylock, R. 27206, 5448, 5643.
Haylock, R. 13216, 5448, 5643.
Haylock, R. 13216, 5448, 5643.
Haylock, D. 1966.
Haylock, J. 1917.
Haylocod, H.B. III 8359.
Hazelton, P.R. 1558, 4980.
Hazelwood, D. 1996.
Hazendork, T.G. 619.
Hazendork, T.G. 619.
Hazendork, T.G. 619.
Hazendork, T.G. 619.
Hazendork, T. 6486.
Head, H. R. 1550.
Heath, H. R. 1967.
Heath, R. M. 506, 361, 2107.
Hebbrist, M. 6828.
Hebert, G. A. 3293.
Hebbrt, T. T. 2793, 7149.
Hecht, S. 2682.
Heddin, P. A. 8843.
Hedelly, M.E. 1250.
Hedding, P. A. 8848.
Hedelly, M.E. 1250.
Hedelly, M. E. 1550.
Hedelly, M. E. 1550.
Hedelly, M. E. 1550.
Hedelly, M. E. 1550.
Hedellett, M. 6829.
Heifett, L. 1686.
Heifett, M. 6829.
Heifett, L. 1686.
Heifett, M. 6829.

Heifets, M. 689. Heifetz, S. B. 6728, 7552. Heikkilae, H. 2100. Heikonen, M. B. Heil, J. 7022. Heil, J. R. 6984. Heimboldt, V. 2339. Heimboldt, V. 2339. Heimboldt, A. 7334. Heimsch, R.C. 157, 8655. Heiner, D. C. 3259. Heinlein, M. 8831.

Heinrichs, A.J. 4467. Heinrichs, E.A. 6295.

Heinz, F.X. 2447.
Heinzle, E. 5280, 6119.
Heistand, F.H. 5177.
Heistand, F.H. 5177.
Heistand, P.H. 5177.
Heistand, P.H. 5177.
Heistand, P.H. 5177.
Heistand, P.M. 6918.
Heigland, M. 618.
Heigland, M. 618.
Heigland, W. 1463.
Heigland, J.R. 6170.
Heigland, J.R. 612.
Heigland, J.R. 612.
Heigland, W. 1463.
Heigland, J.R. 612.
Heigland, J.R. 614.
Heillind, J.R. 1598.
Heillind, J.R. 6148.
Heillind, M. 182.
Heillind, J.R. 6148.
Heillind, M. 182.
Heillind, J.R. 6148.
Heillind, J.

Heas, W. R. 634, 1545.
Hesselline, C. W. 7052.
Herlmanski, J. 1630.
Herlinck, B. Ab. 7259.
Hettick, B. Ab. 7259.
Hettick, B. Ab. 7259.
Hettick, B. Ab. 7259.
Hettick, B. Ab. 7265.
Hewitt, G. M. 2706, 7745.
Hewitt, M. J. 731.
Hewitt, M. J. 731.
Hewitt, M. L. 731.
Hewitt, M. J. 731.
Hewitt, M. J. 731.
Heyd, R. M. 2706, 7745.
Hewitt, M. J. 731.
Heyd, R. M. 2706, 7745.
Hewitt, M. J. 731.
Heyd, R. M. 2706, 7745.
Hewitt, M. J. 731.
Heyd, R. M. 2706, 7745.
Hewitt, M. J. 731.
Heyd, R. M. 2706, 7745.
Hewitt, M. J. 731.
Heyd, R. M. 2706, 7745.
Hewitt, M. J. 732.
Heyn, B. 1754, 9124.
Hibinon, H. 5416.
Hibinon, K. 70.
Hicksch, B. 1754, 9124.
Hibinon, K. 70.
Hicksch, B. 1796, 8254.
Hickman, J. R. 261.
Hicksch, B. 1797, 907, 910.
Hide, G. A. 8121.
Hiematra, H. 907.
Higashi, K. 4293.
Higashi, K. 4293.
Higashi, K. 4293.
Higashi, K. 4293.
Higashikawa, S. 9207.
Higashikawa, S. 9207.
Higagins, B. 1516, 2520, 7593.
Higgins, M. L. 6411.
Higgins, R. 1261, 245, 3401, 7823, 5474.
Higgins, M. 127, 3696.
Higuphit, T. 21, 362, 5748.
Higuphit, T. 21, 362, 5748.
Hill, A. J. 2554.
Hill, R. A. 333, 333.
Hill, R. A. 732.
Hill, R. A. 732.
Hill, R. A. 732.
Hill, R. A. 738.
Hill, R. A. 739.
Hill, R. A. 739.
Hill, R. A. 739.
Hill, R. A. 739.
Hill, R. A. 736.
Hill, R. A. 736.
Hill, R. A. 736.
Hill, R. A. 737.
Hill, R. L. 7477.
Soll 8, 6622.
Hill, B. M. 3353.
Hill, R. A. 747.
Hill, R. L. 7477.
Soll 8, 6622.
Hill, R. A. 736.
Hill, R. A. 736.
Hill, R. A. 737.
Hill, R. L. 7477.
Hill, R. L. 7477 Hills, D.J. 7306.
Hills, J.A. 8457.
Hills, J. 4994.
Hills, G. L. 1444.
Hilton, M.G. 3002, 3003.
Himeno, M. 9113.
Himmend, M.E. 5159.
Hinchliffe, P.M. 2473.
Hindhararch, J.M. 2498.
Hinds, D.B. 448.
Hinds, D.B. 45280.
Hinkley, J.E. 23.
Hinnebusch, B.J. 6714.
Hine, M. 6566.
Hindloczawa, K. 2289, 3165, 3167.
Hindhoczawa, K. 2289.
Hindhoczawa, K. 2289, 3165, 3167.
Hindhoczawa, K. 2289.
Hindhoczawa, K. 2289, 3165, 3167.
Hoelberg, M. 7397.
Hoelby, E. A. 5062.
Hoeland, K. 1949.
Hoeland, M. 1949.
Hoeland, K. 1949.
Hoe

Hofmann, H. 2447.
Hofmann, H. 2459.
Hog, J. 6614.
Hogrefe, W. 2698, 4428.
Hohenberg, J. S. 8993.
Hofl, H. 471.
Hohenberg, J. S. 8993.
Hoholh, H. R. 6303.
Hohlmuenzer, S. 9201.
Hohol, H. R. 6303.
Hohlmuenzer, S. 9201.
Hohom, H. 4798.
Hohom, H. 4399.
Hohom, H. 6459.
Holisch, S. K. 5811.
Hollisch, H. A. J. 6300.
Hollcomb, R. G. 3391.
Hollcomb, R. G. 3398.
Hollom, J. S. E. 3421.
Holliand, R. A. 3392.
Holland, B. W. 452, 6723.
Holland, G. E. 3648.
Holland, K. T. 2258.
Holland, G. E. 3648.
Holland, K. T. 2258.
Holland, G. E. 3649.
Holliand, R. A. 1890.
Holliand, R. R. B. 449.
Holliand, R. R. B. 449.
Holling, R. R. A. 849.
Holling, R. R. A. 859.
Hollomes, D. M. 5895.
Hollomes, D. M. 5896.
Hollomes, R. H. 715.
Holling, R. R. 489.
Holling, R. R. 499.
Holli

Hoque, E. 8952.
Hoque, S. 7255.
Horacak, J. 3252.
Horacak, J. 3252.
Horak, F.P. 8711.
Horak, R.M. 5378.
Horan, A.C. 2294, 6561.
Horaud, T. 3025, 6426.
Hore, F.R. 6709.
Hori, M. 292, 6559.
Hori, N. 6072.
Horie, T. 2218, 7527.
Horikawa, Y. 2444.
Horikoshi, K. 894, 932, 3560, 3561, 4399, 5191, 6096, 609 6098, 7682.
Horimi, I. 4874.
Horinko, K. 1735.
Horisue, N. 6297.
Horistu, H. 862.
Horiuchi, S. 292.
Hori M. A. 575.
Horiuchi, S. 292.
Horn af Rantzien, M. 6462.
Horn, C. 7834.
Horn, C. 719.
Horn, C. 7119.
Horn, D. 7868.
Horn, D. 8764.
Horn, D. 7868.
Horn, D. 8764.

Micro

Table 1997, P. 1996, 2794

Horley, K.L. 8900

Hort, A.H. 4870

Hort

Author Index

January B. 14-535

Jahore, D. 2232

January B. 1959, 7980

January B. 1959, 7

Joshi, L.M. 1183, 3808, 6246, 7961, 7984, Joshi, P.A. 4370, Joshi, P.A. 4370, Joshi, P.K. 6469, Joshi, P.K. 6469, Joshi, P.K. 4646, Joshi, P.K. 4646, Joshi, P.K. 4646, Joshi, A.W. 957, Joslyn, L. 1380, Joshi, A.W. 957, Joslyn, L. 1380, Joshi, A.W. 1384, Joshi, J.W. 1384, J.W. 13

Kabeel, M.T. 2901.
Kabel, J.J. 5294.
Kabi, A. 8812.
Kabi, M.C. 4669. 9015.
Kabins, S.A. 8292.
Kachan, A.F. 921.
Kachel, W.M. 4686.
Kachan, A.F. 1220.
Kaczmarek, W. 2180.
Kada, T. 329.
Kader, A.A. 3853. 8057.
Kada, T. 329.
Kader, A.A. 3853. 8057.
Kadalan, O.P. 2071.
Kadkol, S.B. 6199.
Kado, C.J. 2074. 8856.
Kadokura, J.-I. 3149.
Kadokura, J.-I. 3149.
Kabelonie, M.L. 4147.
Kaeberle, M.L. 4148.
Kaeberle, M.L. 4148.
Kaeberle, M.L. 4149.
Kaeberle, M.L

Kagramanova, V.K. 2766.
Kahl, G. 8874.
Kahl, J.-U. 7906.
Kahn, I. 8408.
Kahl, J.-U. 7906.
Kahn, I. 8408.
Kahn, S.M. 1117.
Kahn, V. 2594.
Kahn, S.M. 1117.
Kahn, V. 2594.
Kahnadova, J. 1913.
Kamakitchiev, A.C. 5961.
Kakmolo, K. 4662.
Kairu, G.M. 4590.
Kalin, J. 4905.
Kalin, J. 4906.
Kalin, J. 4906.
Kalin, J. 4906.
Kalin, J. 778.
Kalialova, S. 2656.
Kalin, J. 788.
Kalengayi, M. M. 1919.
Kalin, J. 4908.
Kalin, J. 4 Kaneko, N. 5886.
Kaneko, T. 5996.
Kanemoto, R. 2611.
Kaneko, T. 5996.
Kanemoto, R. 2611.
Kaneto, E. 1552.
Kang, A.S. 6234.
Kang, C.Y. 2434.
Kang, K.S. 8622.
Kanghan, N. 5936.
Kangror, H.O. 5009.
Kangror, H.O. 5009.
Kangror, H.O. 5009.
Kanke, B. 78737.
Kaniewski, W. 6227.
Kankowa, J. 6309.
Kanner, T. 3736.
Kannaiyan, J. 7139.
Kannerjater, L.M. 8342.
Kanodia, S. 979.
Kanto, S. 272.
Kantzes, J.G. 1210.
Kanzaki, M. 4695.
Kao, J.F. 3192.
Kapto, J. 8205.
Kapto, J. 8205.
Kapto, C. 4890.
Kapto, J. 8252.
Kapto, J. apoor, I.J. 7208.
apoor, K.K. 839.
apoor, K.K. 839.
apoelman, A.J., Jr. 1153, 8883.
appelman, A.J., 1163.
aran, A.J. 4780.
aran, A.J. 4

Katen, R. 7903.

Fall-provision recognin. E. 6005.

Magr, M. 4327.
Kelen, D. 632.
Kelen, D. A. 274, 683.
Kelen, D. A. 278, 683.
Kelen, D. A. 283.
Kelen, D. A. 28 Klegr, M. 4327. Kleid, D.G. 4075. Klein, C.S. 6761. Klein, D. 4274, 6832.

Kobayashi, J. 9122, 9123 Kobayashi, M. 2615, 5993, 7818, 8574. Kobayashi, R. 1206, 2616. Kobayashi, R. 1206, 2616. Kobayashi, S. 729, 2308. Kobayashi, T. 205, 854, 1759, 177, 1792, 4290, 5104, 7111. Kobayashi, T. 6570. Kobinata, K. 3136. Kobayshi, T. 6570. Kobinata, K. 7399. Kobza, S. 7949. Kobzeva, V. N. 2277, 6875. Kobzeva, V. W. 2277. Koch, B.L. 3942. Koch, H.U. 4266.

Kolot, F.B. 3575.
Kolpak, M.X. 532, 1423.
Kolstad, J. 96.
Kolstad, J. 96.
Koltukova, N.V. 4337, 7732.
Koltukova, N.V. 4337, 7732.
Koltukova, N.V. 4337, 7732.
Komari, J. 5433.
Komari, J. 5433.
Komarikova, N.I. 8341.
Komarova, T.I. 966, 7312.
Kominos, S.D. 9251.
Kominos, S.D. 9251.
Kominos, S.D. 9251.
Kominos, S.D. 9251.
Kominos, S.D. 9267.
Kominos, S.D. 9267.
Kominos, S.D. 9267.
Kominos, S. 1419.
Kon, K. 4372.
Komon, V. P. 924, 5975.
Kondo, K. 4372.
Konale, G. 6264.
Konde, B.K. 7277.
Kondo, H. 3483.
Kondo, K. 5843.
Kondo, K. 5843.
Kondo, K. 5483.
Kondo, K. 5483.
Kondo, S. 7459.
Kondo, Y. 4863.
Kondo, S. 7459.
Kondo, Y. 4863.
Kondo, S. 7459.
Kondo, Y. 1952, 1955, 3733.
Konnishi, K. 2292.
Konishi, K. 2292.
Konishi, M. 1702. 6667, 6890.
Konno, H. 7111.
Kopecka, H. 8383.
Konoka, G. 9201.
Konopaka, E. A. 551.
Konopaka, E. A. 551.
Konopaka, B. 1, 2343.
Kononishi, K. 2292.
Konovalova, L.V. 857, 3436.
Konoka, G. 9201.
Konopaka, E. A. 551.
Konopaka, E. A. 551.
Konopaka, E. P. 6440.
Kornoka, G. 9201.
Kornoral, M. 1702.
Korlokova, Padolova, M. 3348.
Konopinska, D. 3120.
Konopaka, E. A. 551.
Konopaka, E. A. 551.
Konopaka, E. P. 6440.
Kornoral, M. 17360.
Kopec, L.K. 7471.
Kopecka, H. 8383.
Kopecka, M. 3334.
Kopeliovitch, E. 2011.
Nopp, B. 969.
Korrowal, V. B. 4689.
Korlowa, T. F. 223,
Korlova, R. 1990.
Korlova, R. Kralikova, K. 9076.
Kralova, B. 2618.
Kralovcova, E. 6565.
Kralovcova, E. 6565.
Kramarov, V.M. 1741.
Krambovitis, E. 3351.
Kramer, D.M. 74.
Kramer, D.M. 74.
Kramer, J.F. 5851.
Kramer, J.F. 5851.
Kramer, J.F. 5851.
Kramer, J.F. 8418, 9319.
Kramer, J.F. 8418, 9319.
Kramer, J. C. 1659, 7339, 7549.
Kramer, J. C. 1659, 7339, 7549.
Kramer, J. 2866.
Kranz, J. 2868.
Kranz

Krasnova, N.I. 7562.
Kratka, J. 7928.
Kratka, J. 7928.
Kratochvii, J. 7671.
Kratzer, F.H. 2750, 2751.
Kratzer, F.H. 2750, 2751.
Krauel, H.H. 6169.
Krauel, U. 6169.
Krauel, D. 6169.
Krauel, P.J. 8438.
Krauss, E.M. 1409.
Krauss, P.J. 8438.
Krauss, E.M. 1409.
Krauss, H. 728.
Krauss, E.M. 1409.
Krauss, H. 728.
Krauss, J. 79352.
Kravers, M. 8201.
Kromery, V. 4716, 5775, 9043,
Kromery, V. 4716, 5775, 9043,
Kromery, V. J. 9076.
Krebs, L. F. 224.
Krebser, J. 1920.
Krebs, D. 533.
Krebs, D. 533.
Krebs, L. F. 227.
Krebs, L. F. 227.
Krebs, L. F. 227.
Krebs, L. F. 227.
Krebs, L. R. 247.
Kress, M. 4941.
Kressdorf, B. 2675.
Krest yanova, I.N. 4288.
Krestynski, F. 2573.
Krestynski, T. 255.
Krishana, K.R. 3641.
Krishamanourthi, K.P. 4093.
Krishnamourthi, K.P. Krolak, M. 7549.
Krolikowska, K. 5773.
Kroli, S. 1809.
Krolik, S. 1809.
Kroli, S. 1809.
Kroli, S. 1809.
Kroli, T.K. 8867.
Kroli, T.K. 8867.
Kroli, T.K. 8867.
Kroli, T.K. 8867.
Kroli, M. 4828.
Kroner, K.H. 61, 3427.
Kroner, M. 4482.
Kroon, J.C. 7127.
Krono, W.A. 4652.
Kroon, J.C. 7127.
Krono, W.A. 4953.
Krovacek, K. 1933, 1957, 71
Krovak, P. 5874.
Krovacek, K. 1933, 1957, 71
Krovak, P. 5874.
Krueger, M. 1042.
Krueger, W. 2814, 2903, 795
Krueger, W. 2814, 2903, 795
Kruglyak, E.B. 2766.
Krugman, S. 6747.
Krull, L. 3472.
Krumbein, W.E. 8205, 8207.
Krumbein, W.E. 8205, 8207.
Krumpinsky, J. M. 1134.
Kruse, C.W. 4938.
Krull, H. 6488.
Krylova, N.I. 1063, 3728, 693
Krysion, J. 1965.
Krysion, R.J. 796.
Krysion, R.J.

Le, K.H.D. 2591.
Lea, E.J.A. 2296.
Leach, C.M. 7143, 7914, 7925.
Leach, C.M. 7143, 7914, 7925.
Leach, R.H. 6756.
Leach, S.S. 8826.
Leaky, D.J. 3007.
Lealy, N. 3007.
Lealy, N. 6265.
Leaky, D.J. 3007.
Lealy, N. 6265.
Leaky, D.J. 3007.
Lealy, N. 6265.
Leaky, D.J. 3007.
Lealy, R.J. 6826.
Leaky, D.J. 3007.
Lealy, R.J. 6826.
Leary, D.W. 2398, 9242.
Lebenault, J.M. 4506, 4334.
Lebeault, J.M. 4306, 4334.
Lebeault, J.M. 4306, 4334.
Lebeday, R. 9091.
Lebelanc, D. 7593.
LeBlanc, D.J. 6431.
Lebelanc, D. 7593.
LeBlanc, D.J. 6431.
Lebelanc, D. 7593.
LeBlanc, D.J. 6431.
Leclarc, M. 4598.
Lechevalier, M.P. 4598.
Le

Lee, Y.H. 4229.
Lee, Y.Y. 68
Leeder, J.S. 500.
Leedom, J.M. 4752.
Leedon, J.M. 4752.
Leedon, J.M. 7409.
Leela, R.K. 1072.
Leers, W. -D. 5016.
Leess, M. 7427154, 6889.
Leess, R.A. 1870.
Leess, Lemer, R.A. 6615, 6632, 6640, 6659, 6800, Lemer, S.A. 4736. Leroy, P. 6476, Lessape, G. 6607. Lessape, G. 6607. Lessape, S. 6310. Lessemann, D.-E. 234, 2437, 4504, 4544. Lesslie, K.B. 8488, 8944. Lessmann, M. 2767, 9288. Lesser, B.H. 2757, 5931. Lesser, C. 1875, 5931. Lesser, C. 1875, 5931. Lesser, J. 1875, 5931. Lester, J. 1886. Lester, J. 1886. Lester, J. 1896. Lester, J. 1897. Lester, J. 189

Leube, J. 5507.
Leung, H. 2855. 8065.
Leung, H. 2855. 8065.
Leung, H. 2856.
Leung, S.K. 4173.
Leung, T.S.M. 2486.
Leung, W.-C. 6610.
Leung, W.-K. 976.
Leuty, S.J. 6250.
Levan, M. 2496.
Leung, W.-C. 6610.
Lever, N. A. 2338.
Leverent, D. H. 6724.
Leves, M. A. 2338.
Leverett, D. H. 6724.
Leves, D. R. 2338.
Leverett, P.N. 8469.
Levin, R. H. 8793.
Levin, M.-H. 8293.
Levin, M.-H. 8293.
Levin, M.-H. 8632.
Levin, M.-H. 8632.
Levito, M.-M. 6832.
Levito, M.-M. 6832.
Levito, M.-M. 6832.
Levito, M.-M. 6838.
Levito, C. 6835.
Levy, R.-H. 6782.
Levy, R.-H. 6782.
Levy, R.-H. 6782.
Levinski, N.D. 1789.
Levinski, N.D. 1789.
Levinski, N.D. 1789.
Levinski, N.D. 1789.
Levinski, D. 1789.
Levinski, D. 1789.
Levinski, D. 1789.
Levinski, J. A. 311, 1210, 5488, 8918, 8924.
Levis, J. S. 718, 3288.
Levis, J. A. 311, 1210, 5488, 8918, 8924.
Levis, J. S. 718, 3288.
Levis, J. A. 311, 1210, 5488, 8918, 8924.
Levis, S. A. 7164.
Leving, H. 6058.
Levis, S. A. 7164.
Leving, H. 6058.
Levis, S. A. 7164.
Leving, L. 7475.
L. G. -Q. 4966.
Li, Y.-C. 2612.
Ling, J. R. 399.
Li, K. B. 98.
Li, L. H. 7360.
Li, N.-G. 6167.
Li, S.-H. 6725.
Ling, L. R. 1899.
Liebert, C. 1944.
Lieberte, C. 1944.
Lieberte, C. 1944.
Lieberte, C. 1945.
Liebert, C. 1944.
Lieberte, J. 3879.
Liebert, C. 1946.
Liebert, C. 1947.
Lieberte, G. 1948.
Lieberte, J. 3899.
Liebert, C. 1949.
Lieberte, J. 3899.
Liebert, J. 3899.

Lim, T.-K. 1204
Lin, C.-C. 3335
Limer, A. 1204
Lin, C.-C. 3335
Lin, L.-C. 4751
Lin, L.-N. 16
Lin, L.-S. 424
Lin, M.-F. 6224, 6228
Lin, M.-F. 624, 628
Lin, M.-F. 627
Linder, L.-F. 7616
Lind, V. 2827
Linder, L.-F. 7616
Lind, V. 2827
Linder, L.-F. 7616
Lindberg, L.-H. 5076
Lindberg, L.-H. 5076
Lindberg, B. 1826, 1828, 4364, 4366
Lindberg, B. 1826, 1828, 4364, 4366
Lindberg, L.-H. 5076
Lind

Loriya, Z.K. 4879.
Loriya, Z.K. 4879.
Lorya, Z.H. S. 1981, 5974, 66
Losso, M. A. 2562.
Lotong, N. 196.
Lou, Y.-C. 1473.
Loubane, M.J. 7946.
Louie, T.J. 4478.
Louie, T.J. 5879.
Lovel, S.H. 5879.
Lovel, S.H. 5879.
Lovel, B.H. 6135.
Lovely, D.R. 6865.
Lovel, C.H. 6135.
Lovely, D.R. 6865.
Lovel, C.H. 6732.
Lowe, C.H. 6732.
Lowe, C.H. 6732.
Lowe, C.H. 6732.
Lowe, C.H. 5874.
Lowe, P.N. 2623.
Lowe, W.L. 5874.
Lower, W.S. 5917.
Lown, J.W. 957.
Lown, J.P. 2576, 6927.
Lowy, F. 2576, 6927.
Lowy, F. 2576, 6927.
Lowy, F. 2630.
Lory, C. 3738.
Loyer, A. 630.
Lory, C. 37445.
Lu, M. 942, 7703.
Lu, Y.- 7770.
Lu, M. 3578.
Lu, M. 942, 7703.
Lu, Y.- 4738.
Lu, M. 942, 7703.
Lu, Y.- 478.
Lucas, L.T. 3802, 8106, 8172.
Lucas,

thy, R.G. 3194.
ttmann, R. 5963.
tton, G. G. 1855.
ttroll, B. 57594.
ttroll, E. S. 1101, 3839.
ttroll, E. S. 1101, 3839.
tty, W. 4098.
U. B. 1824.
tton, D.E.A. 6419.
zhkov, A.M. 5061, 6769.
ande, W. 4738.
allikova, N.N. 9051.
ardil, P. 8344.
Macrina, F.L. 6431.
Macr

Makhashin, S.S. 873, 5962.
Makhiouf. J. 6969.
Makhiouf. J. 6969.
Makin, T. 401.
Makins, J.F. 4083.
Makkar, G.S. 3586.
Makkouk, K.M. 447, 7689.
Maksimova, K.M. 447, 7689.
Maksimova, M. 1883, 4349.
6942, 7752.
Maksimova, G.A. 3179.
Malaportadas, H. 2412.
Malamovi, J. 223.
Malanovi, G.M. 9257, 9258.
Malashenko, Yu. R. 7304.
Malathrakis, N.E. 1223, 8013.
Malcolm, G.B. 5039.
Malcolm, G.B. 5039.
Malcolm, S. 3690.
Malcolm, S. 3690.
Malcolm, G.B. 5039.
Malcolm, B.E. 3929.
Malcolm, S. 3690.
Malcolm, G.B. 5039.
Malcolm, G.

Marvell, P.M. 4193, 5056.
Marwiller, A. 8724.
Manzara, S. 5601.
Manzari, V. 5884.
Marziar, S. 5601.
Marziari, V. 5884.
Marziari, S. 6503.
Marziari, V. 5884.
Marziari, S. 6503.
Marziari, V. 6587.
Macpubi Hossain, A.K. 9017.
Mardiari, D.D. 582, 5054.
Marais, G.V. 622.
Mara, D.D. 582, 5054.
Marais, D.D. 582, 5054.
Marais, G.V. R. 2345.
Marziari, J. B. 1. 4080.
Marziari, J. F. 0. 122, 3735, 5256.
Martin, K. 7265.
Marziari, J. F. 6126.
Marziari, J. F. 6126.
Marziari, J. F. 6126.
Marziari, J. F. 6126.
Marziari, J. 6126.
Marziari, J. 6126.
Marziari, J. 6126.
Marziari, L. 6126.
Marziari, J. 7834.
Marziari, J. 7838.
Marziari, J. 7838.
Marziari, J. 7838.
Marziari, L. 6126.
Marziari, J. 7838.
Marziari, J. 7839.
Marzia

Mathur, D.K. 1978.
Mathur, J.R. 1978.
Mathur, J.R. 1979.
Mathur, J.R. 1979.
Mathur, J.R. 1974.
Mathur, J.R. 1976.
Mathur, J.R. 1974.
Mathur, J.R. 8888. Maxwell, F. 6619. Maxwell, F. 6619. May, A. 4994. May, J.T. 9284. May, J.W. 7687, 9178. May, S.W. 888. Mayatt, J.H. 49. Mayberry, W.R. 9308. Mayer, R.M. 6045. Mayfield, C.I. 5306.

Maylield, M.B. 3662.
Maybran, D.E. 8942.
Maybran, D.E. 8942.
Maybran, D.E. 8942.
Maybran, C. 2997.
Maybran, C. 2998.
May

Merronek, G. C. 379.
Merrock, C. 36.
Merrick, R.L. 6161.
Merrifield, R.B. 4732.
Merrick, R.J. 6151.
Merritk, F. 811.
Merritk, R.W. 7222.
Merry, J.M. 7258.
Mertens, J.L. 208.
Mertens, J.L. 208.
Mertens, J. 208.
Mertens, J. 208.
Mertens, J. 399.
Mertens, J. 399.
Mertens, M. 7839.
Mertens, M. 7849.
Messles, R. 2280.
Mertens, M. 7849.
Messles, R. 2849.
Messles, R. 4. 244, 4124, 751
Metcalf, R.H. 3225.
Metcalf, R.H. 3225.
Metcalf, R.H. 3225.
Metcalf, R.H. 3225.
Metcalf, R.H. 3286.
Metcalf, R. 4. 2621.
Metcalfe, D. R. 5503.
Metche, M. 6701.
Methens, H. 6136.
Metsles, M. M. 7064.
Metsles, M. 7064.
Metsles,

ti, B. 7131. ti, T. 7390. tite, G. 3061. ide, G. 3061.

olajczak, M.J. 2640.

sch. K. 4095.

am, J.R. 5661.

bourne, K. 7027.

burn, B. 1807.

burn, B. 1807.

dorand, M. 6619.

ejkovskaya, E.I. 2589.

es, M.R. 5400.

ewski, S. 8382.

haud, P.G. 1559.

haud, Y. 1559.

haud, P.G. 1559.

haud, P.G. 1559.

haud, N. 1559.

haud, P.G. 1559. iotis, M.D. 3760. Iar, D.L. 5001. Ier-Wildeman, M.A. 8481. Ier, A. 1208, 5147. Ier, A.D. 704. Ier, B.N. 2651. Ier, B.H. 1065. Ier, C.H. 3231. Ier, C.R. 5832. Ier, D. 8221. Ier, D. W. 2187, 7835. Ier, E.A. 8948. ler, E.A. 8948. ler, F.C. 4085. ler, G.A. 703. ler, G.H. 2294, 4865, 6561. ler, H. 4815. ler, H.J. 2042, 2773, 7186. ler, J.D. 2755. lef, J.D. 27bb.
lef, J.E. 3623.
lef, J.M. 707, 3665.
lef, J.E. 3623.
lef, J.M. 707, 3665.
lef, J.M. 707, 3665.
lef, J.M. 707, 3665.
lef, J.M. 4563.
lef, L.T. 3270.
lef, M.F. 611.
lef, M.A. 4000.
lef, M.F. 611.
lef, M.A. 249, 4273, 4771, 3561.
lef, M.M. 3624.
lef, R.M. 3625.
lef, R.M. 3626.
lef, P.C. 2382.
lef, R.C. Jr. 6017, 6018, 6833.
lef, P.C. 2382.
lef, R.C. Jr. 6017, 6018, 6833.
lef, P.C. 2382.
lef, R.M. 3620.
lef, M.M. 4508.
lef, T.M. 3840.
lef, W.M. 4508.
lef, W.H. 4029.
lef, W.H. 4029.
lef, W.H. 4029.
lef, W.H. 3680.
lef, W.H. 4029.
lef, W.H. 3680.
lef, W.H. 4029.
lef, W.H. 3680.
lef, W.H. 4029.
lef, W.H. 4

Miquet, J. 7059.
Mirabelli, C.K. 529.
Mirabelli, C.K. 529.
Miraglotta, G. 5385.
Miranda, C. 5320.
Mirahada, C. 5320.
Mirochada, S. 7997.
Miroceltch, S.M. 271, 4528, 4529, 4529.
Mirochada, C. 3707.
Mirochada, C. 1707.
Mirochada

Mornisgon, S. 1989, Mornison, J. R. A. 3011.
Mornisgon, G. 463.
Mornisgon, G. 463.
Mornisgon, J. 81899, 4748, 7033
Mor-Young, M. 183, 1532, 5276, 5281, 5294, Moody, J. A. 5758, 7412, 7425.
Moody, J. A. 5758, 7412, 7425.
Moody, M. D. 3547, 5075.
Moody, M. D. 3547, 5075.
Moody, M. B. 3548, 5075.
Moore, C. 1973.
Moore, D. F. 4981, 8387.
Moore, L. D. 322, 8867, 8912.
Moore, L. D. 322, 8867, 8912.
Moore, M. L. 6772.
Moore, L. D. 322, 8867, 8912.
Moore, M. C. 9731.
Moore, M. E. 2745.
Moore, M. J. 7983.
Moore, W. L. 6772.
Moren, J. 2890, 8933.
Moore, W. L. 6772.
Moran, J. 4242, 4245, 4966.
Morand, A. 4275.
Moran, J. 4242, 4245, 4966.
Moreian, A. H. 6477.
Moreina, B. 6820.
Moreian, J. R. 1962, 5569.
Moreian, J. R. 1961, 9309.
Morgan, D. H. 437, 1961, 9309.
Morgan, J. B. 437, 1961, 9309.
Morgan, J. M. 197, 1723, 1867.
Morgan, J. M. 197, 1723, 1867.
Morgan, J. M. 197, 1723, 1867.
Morgan, J. M. 4 1581, 3662, 3663, 6861 Moutnain, R. 4811.
Morris, L. 3203.
Morris, C. 3251.
Morins, D. R. 437, 1961, 9309.
Morgan, J. M. 4 157, 4372, 1967.
Morgan, J. M. 4 1581, 3662, 3663, 6861 Moutnain, R. 4811.
Morris, L. 3283.
Morins, D. R. 437, 1961, 1900.
Morgan, J. M. 4 157, 4372, 1967.
Moris, L. 3610.
Morris, D. R. 6370.
Morris, C. 1905.
Morris, D. R. 6370.
Morris, D. R. 6370.
Morris, D. R. 6370.
Morris, D. R. 6389.
Morris, D. R. 6370.
Morris, D. R. 6389.
Morris, D. R. 6389.
Morrison, J. O. 6513, 7413.
Morrison, J. G. 6513, 7413.
Morrison, J. G. 648.
Morrison

Author Index

Mukasa, H. 27, 28.

Mukharjene, A. 6049.

Mukhenjene, A. 6149.

Mukhenjene, A. 61825, 5529.

Mukhenjene, B. 2133.

Mukhenjene, B. 2133.

Mukhenjene, B. 2133.

Mukhin, V. K. 8769.

Mukhin, V. A. 3920.

Mukhin, V. A. 3920.

Mukhin, V. A. 3920.

Mukhin, V. A. 3920.

Mukhopadhyay, A. K. 7273.

Mukhopadhyay, S. N. 2957, 3979.

Mukhopadhyay, S. N. 2958.

Muldors, S. L. 7839.

Muldors, C. L. 1372.

Mullian, W. M. A. 5095.

Mullian, W. M. A. 5095.

Mullian, W. M. A. 5095.

Mullian, A. 3946.

Mullian, B. G. 3957.

Mullian, B. G. 3958.

Mullian, B. G. 3959.

Mullian, B. G. 3 Murad, M. 8515. Murahashi, T. 3577. Murai, A. 3134. Murakami, K. 62, 1745, 8604. Murakami, M. 1767. Murakami, T. 1314, 6406. Murakami, Y. 8371. Muralidhara Rao, B. 7964. Muramishi, S. 455. Muramishi, S. 455. Muranishi, S. 455. muralionara Rao, B. 7964.
Muramishi, M. 4895.
Muranishi, S. 455.
Muranishi, S. 455.
Muranishi, S. 455.
Murao, S. 94, 1724, 1783, 8578, 8596, 8653.
Murata, A. 6550.
Murata, K. 6849.
Murata, A. 6550.
Murata, K. 6849.
Murata, S. 935.
Murata, P. 1266.
Murayama, S. 7266.
Murayin, C. 6503.
Muro, T. 7688, 7691.
Murphy, B. 6503.
Muro, T. 7688, 7691.
Murphy, B. 7674.
Murphy, B. 6744.
Murphy, J. A. 6519, 659.
Murphy, J. A. 6519, 659.
Murphy, J. A. 6744.
Murphy, J. A. 6744.
Murphy, M.D. 4168.
M 4861. Murray, S.I. 3086. Murray, S.K. 7849. Murray, W.D. 152, 5270. Murrell, S.A. 2611, 6860.

Nabout, N.H. 1326, 7415.
Nabe, K. 37, 1756.
Nabe, K. 37, 1756.
Nabe, K. 37, 1756.
Nachamkin, J. 274.
Nachmias, A. 7183.
Nachmias, F. 1395.
Nachmias, E. 1395.
Nachmias, E. 1395.
Nachmias, E. 1390.
Nagan, E. 3041.
Nagan, N. 3041.
Nagan, N. 3041.
Nagan, E. 3041.
Nagun, E

Nakajima, K. 4685.
Nakajima, M. 2302.
Nakajima, I. 2556, 8691.
Nakajima, I. 2556, 8691.
Nakajima, I. 2556, 8691.
Nakajima, I. 12556, 8691.
Nakajima, I. 12556, 8691.
Nakajima, I. 12556, 8691.
Nakajima, I. 12556, 8691.
Nakajima, I. 1256, 8692.
Nakamura, I. 1256, 8691.
Nakamura, G. 1416.
Nakamura, R. 6005.
Nakamura, I. 97, 3175, 4490.
Nakamura, I. 97, 3175, 4490.
Nakamura, I. 97, 3175, 4490.
Nakamura, I. 93, 4175, 4490.
Nakamura, I. 9281.
Nakajima, I. 8692.
Nakani, K. 70, 143, 915.
Nakamura, I. 93, 137, 3483.
Nakajima, I. 8692.
Nakajima, I. 8693.
Nakajima, I. 8694.
Nakajima, I. 8694.
Nakajima, I. 8695.
Nakajima, I. 8696.
Nakajima, I. 8

Nicholas, R.A.J. 6658. Nicholls, H.A. 2348. Nicholls, P.J. 9018. Nichols, D.S. 1481. Nichols, J.R. 518. Nichols, V. 1469. Nichols, W.W. 725, 6494, 676.

Microbiology Abstracts A vol. 19

Microb

Osman, S.A.A. 5724.
Osman, S.F. 2012.
Osmanov, S.K. 9325.
Osore, H. 6644.
Osmanov, S.K. 9325.
Osore, H. 6644.
Oster, H. 6644.
Oster, H. 6747.
Oster, H. 6747.
Oster, H. 6747.
Oster, F. 9263.
Ostarzeski, S.A. 5499.
Oster, C.N. 7372.
Oster, K.A. 1342.
Osterhaus, A. 6620.
Osterhaus, A. 6620.
Osterhaus, A. 6820.
Osterhaus, D. 8820.
Osterhaus, D. 8820.
Ostrovsky, W.D. 8188.
Ostrovsky, W.D. 8188.
Ostrovsky, D.N. 2589.
Ostrovsky, D.N. 2589.
Ostrovsky, D.N. 2589.
Ostrovsky, J.N. 2589.
Ostrovsky, M.B. 7739.
Ostrovsky, M.B.

**Author Index** Paine, T.D. 8193, 8194.
Painter, J.C. 4113.
Pail, J.N. 1827.
Pail, J.N. 1827.
Pail, J.N. 1827.
Pail, S.C. 5043, 5390, 8609.
Pailaciois, F. 4012.
Pailagina, N. 1828.
Pailagina, N. 1828.
Pailagina, N. 1828.
Pailagina, R. 1828.
Pailagina, R. 1838.
Pailagina, R. 1848.
Pailagina, R. 1849.
P

Park, N.H. 7388.
Park, Y.H. 5168, 6026.
Parke, J.C., Jr. 2515.
Parke, J.C., 2913, 5546, 5549.
Parker, A. 7135.
Parker, A. 735.
Parker, C. A. 3360, 8986.
Parker, C. A. 3360, 8986.
Parker, J. D. 2350.
Parker, J.H. 5617.
Parker, J.M. 7625, 6657.
Parker, J.M. 4433, 6392.
Parkin, G.F. 1483, 2376.
Parkin, T.B. 5670.
Parkinson, A.J. 602.
Parkinson, A.J. 602.
Parkinson, D. 5082, 5613, 7227, 7228, 8230.
Parks, R.M. 2492. 7228, 8230.
7228, 8230.
7228, 8230.
Parks, R.M. 2492.
Parlevilet, J.E. 301, 2860, 2875.
Parrenter, J.R., Jr. 8319.
Parr, J.F. 5835.
Parr, S.R. 877.
Parr, T.R., Jr. 6407.
Parr, S.P. 5805.
Parrett, N.A. 4465.
Parrett, N.A. 4465.
Parrist, D.S. 5006.
Parry, D.W. 1971.
Parry, J.J. 1807.
Parry, J.V. 4156.
Parshina, S.N. 1043.
Parsons, W.H. 2306.
Parshina, S.N. 1043.
Parshina, J. 1043.
Parshina, J. 1043.
Parshina, S.N. 1043.
Parshina, S. 1044.
Parvin, S. 262.
Parryin, E.V. 1403, 4879, 5974.
Passolu, I.U. 1283.
Passolu, I.U. 1283.
Passolu, I.U. 1283.
Passolu, I.U. 1286.
Passonova, E.A. 1536.
Passolue, A.W. 7418.
Passonova, E.A. 1536.
Passolue, A.W. 7418.
Passonova, E.A. 1536.
Passolue, K. 1391.
Passocon, I.G. 8012.
Passonova, E.A. 1536.
Passolue, J. 446.
Passasarani, N. 4986.
Passararila, E. 6507.
Passararila, B. 6409.
Pastore, G. 7565.
Passolvi, A. 1771.
Pataky, J.K. 242, 1171, 8772.
Pastchett, A.A. 2306.
Pastore, P.P. 6471, 6476.
Pasynkova, L.N. 9070.
Passory, J. 5662.
Patel, J.S. 2188.
Paterson, J. 8498.
Paters

Pennucci, C. 3032. Pennypacker, B.W. 1118. Penzikova, G.A. 6823. Peppier, H.J. 6829. Peppier, H.J. 6832. Perotokile, J.A. 1136. Perotokile, M. 136. Perotokile, M. 136. Perotokile, J.A. 136. Paul Khurana, S.M. 3827.
Paul, A.K. 4875, 4881.
Paul, C. A. 2986, 5837, 8224.
Paul, H.L. 2437, 4538, 8440.
Paul, N.B. 797. 2093.
Paulipulta, R.K. 7093.
Paulipulta, R.K. 793.
Paulipulta, R.K. 793.
Paulipulta, R.K. 793.
Paulipulta, R.K. 793.
Paulipulta, R.S. 194.
Paulikkonis, B. 5194.
Paulikkonis, A.B. 4345.
Paulikkonis, A.B. 4345.
Paulikkonis, A.B. 4345.
Paulikkonis, A.B. 4345.
Paulikkonis, A.B. 743.
Paulipulta, R.K. 793.
Paulipulta, R.B. 4394.
Paulikkonis, A.B. 4345.
Paulipulta, R.B. 4345.
Paulikkonis, A.B. 743.
Paulikkonis, A.B. 743.
Paulikkonis, A.B. 743.
Paulikkonis, A.B. 4345.
Paulikkonis, A.B. Pertine, P. J. 8601.
Perine, P. J. 8601.
Perine, P. L. 879, 718.
Perindro, P. U. 9118.
Perkinson, G. A. 6899.
Perkowski, C. A. 8507.
Perin, A. S. 1831.
Perlino, C. A. 9153.
Perlmann, P. 633.
Perlmann, P. 633.
Perlmann, P. 633.
Permann, P. 633.
Permann, P. 633.
Permann, P. 6349.
Perracin, Y. 4595.
Perralon, J. V. 4595.
Perrandin, Y. 4595.
Perrandin, Y. 4595.
Perrandin, P. 251.
Perrin, P. 560.
Perrin, P. 560.
Perrin, P. 560.
Perrin, P. 561.
Perrin, P. 563.
Perrin, P. 5756.
Perrin, P. 5640.
Perrin, P. 5756.
Perrin, P. 5860.
Perry, D. A. 7201. 8199.
Perry, J. A. 721. 8199.
Perry, J. A. 721. 8199.
Perry, J. J. 731. 770.
Perry, J. A. 731.
Perry, J. J. 3710.
Perry, J. A. 7835.
Person, C. 1106, 2857.
Perry, J. R. 7898.
Perryman, M. W. 2453, 2511.
Persley, G. J. 3770.
Persson, P. E. 3387.
Person, C. 1106, 2857.
Persson, P. E. 3387.
Persson, P. E. 3387.
Persson, P. E. 3387.
Persson, P. Sapel, Sapel, P. Philips, D. M. 2365.
Pering, J. Sapel, Sapel, P. Philips, D. M. 2365.
Pering, J. Sapel, Sapel, P. Philips, D. J. 619, 5885, 7992.
Philips, D. J. 619, 5885, 7992.
Philips, D. J. 6499.
Philips, D. J. 619, 5885, 7992.
Philips, J. M. J. 7836.
Peterson, D. 8412, 8414.
Peterson, J. 842, 3455, 4828.
Perlink, A. 235, 4534, 8855.
Peterson, H. D. 5425.
Perlink, A. 2507.
Peterson, J. 6469.
Philips, D. A. 1829.
Philips, D. A. 1829.
Philips, D. A. 1839.
Perlink, S. 2528.
Philips, D. A. 1839.
Perlink, S. 2528.
Philips, D. A. 1839.
Perlink

Petraryi, G. 8320.
Petri, I. 956.
Petri, I. 956.
Petricciani, J.C. 3732.
Petrocci, A.N. 1513.
Petrova, K.M. 6451.
Petrova, K.M

Iffaretti, J.C. 4700.
Iffen, G. 4823.
Infear, K. 7367.
Joan, C. 2463.
Iki, J. 2629.
Iki, D. J. 5431.
Illial, J. K. 1391.
Illial, J. S. 1391.
Illia

Polin, R.A. 7467
Polin, R.A. 7467
Polin, R.A. 7471, 5065
Polisar, R.D. 4030
Powers, R.H. 7403
Powers,

Raccah, B. 4552.
Rachkovskaya, L.A. 6485.
Racz, I. 8921.
Radamaker, G.K. 2804.
Raddus, B.K. 4013.
Raddus, B.K. 4013.
Raddus, B.K. 4013.
Raddus, B.K. 4015.
Raddus, C. 1487.
Raddus, C. 1487.
Raddus, C. 1487.
Raddus, C. 1487.
Raddus, C. 173, 7590.
Radina, V.P. 4642, 6486, 6491.
Raddus, V. 1920.
Raddus, C. 1920.
Raddus, C.

Randhawa, P.S. 4199, 8929.
Randisi, E. 6571.
Randols, J.W. 4151, 4152, 5405.
Randols, V. 1484.
Randes, J.W. 4151, 4152, 5405.
Randols, V. 1484.
Raney, R.J. 76378.
Raney, R.J. 76378.
Rangeley, A. 5628.
Ra

Renard, J.L. 2871.
Renard, M.F. 1881.
Renard M.F. 1881.
Renard M. 4081.
Renerer, M. 1985.
Rengarathan, 1895.
Rengarathan, 1895.
Rengarathan, 1895.
Rennie, P.J. 2888, 5698.
Rennie, R.J. 2849, 8250, 8998, 921.
Rennie, R.J. 2849, 8250, 8998, 921.
Rennie, R.J. 3247, 8249, 8250, 8998, 921.
Repanovic, R. 433.
Repetto, C.M. 620
Resianic, L. 4568.
Restrepo, A. 2535.
Restrepo, A. 2536.
Relthy, L. A.J. 4881, 4892.
Relthy, L. A.J. 4891, 4892.
Relthy, L. A.J. 4892, 4892.
Relthy, L. A

Robertson, C.R. 2
Robertson, G.H. 1875.
Robertson, G.H. 1875.
Robertson, G.H. 1875.
Robertson, G.P. 4612.
Robertson, G.P. 4612.
Robertson, G.P. 4612.
Robertson, J. 4030.
Robertson, J. 4059.
Robertson, L. 2473.
Robins-Browne, R.M. 749.
Robins-C. W. 183, 5276, 528
5294.
Robinson, J. 2767, 8412, 8414.
Robinson, J.A. 3522, 6574, 657
Robinson, J.M. 8675.
Robinson, J.M. 8675.
Robinson, M.J. 680.
Robinson, M.J. 680.
Robinson, R.A. 2859.
Robinson, R.A. 2859.
Robinson, R.A. 2859.
Robinson, R.M. 5474.
Robinson, R.A. 2859.
Robinson, R.M. 5474.
Robinson, M.K. 748.
Robison, P.D. 3498.
Robinson, M.K. 748.
Robison, P.D. 3498.
Robinson, R.M. 5874.
Robinson, R.M. 5874.
Robinson, R.M. 783.
Robinson, R.M. 783.
Robinson, R.M. 783.
Robinson, R.M. 7848.
Robison, P.D. 3498.
Robinson, R.M. 7848.
Robison, R.M. 5749.
Robinson, R.M. 7848.
Robison, R.M. 5749.
Robinson, R.M. 7848.
Robinson, R.M. 7849.

Microbio

Microb

Samborski, D.J. 8907. Sambrook, J.F. 6636. Samejima, H. 8659. Samman, E.N. 4544. Samman, S. 8949. Samman, S. 8949.
Sammolan, D.J. 8067.
Samoilenko, I.I. 4007.
Samoilenko, L.S. 6030.
Samoilonko, Y. 441, 2894, 4549.
Samoylenko, K.S. 4343.
Samples, D. 1898.
Sampson-Scharer, J. 7625.
Samson, P. 1898.
Sampson-Scharer, J. 7625.
Samson, P. 1898.
Sampson-Scharer, J. 7625.
Samson, C. 6833.
Samsonon, C. 6633.
Samsonon, R.A. 3565.
Samson, R.A. 3565.
Samsonon, G. 6633.
Samsonon, G. 6633.
Samsonon, G. 6833.
Samsonon, G. 6633.
Samsonon, G. 7643.
Samuel, C. E. 6470.
Samuellon, D. 8267.
Samuellon, D. 8267.
Samuelson, D. 8267.
Sanchezen, P. 8078.

Sarath, G. 4506. Sarathchandra, S.U. 6346. Saravolatz, L.D. 4726. Sareen, V. 6087. Sariah, M. 1224.

Sarriage, F.S. (207)
Sarriage,

Scott, A.I. 5777.
Scott, D. 7823.
Scott, D. 7823.
Scott, D. 7824.
Scott, E. 7575.
Scott, E. 8953.
Scott, G. E. 8953.
Scott, G. E. 8953.
Scott, G. B. 1894.
Scott, H. 886.
Scott, G. S. 8953.
Scott, G. S. 8953.
Scott, G. S. 8953.
Scott, G. S. 8953.
Scott, K. F. 2977.
Sott, K. J. 251.
Sen, S. K. 1351.
Sen, D. S. 298.
Sen, A. K. 3183.
Sen, D. S. 298.
Sen, A. K. 3183.
Sen, D. S. 298.
Sen, A. K. 3183.
Sen, D. S. 389.
Sen, A. K. 3183.
Sen, D. S. 389.
Sen, A. K. 3183.
Sen, D. S. 389.

Shannon, W.M. 5748, 6478.
Shanson, D.C. 2402, 2497.
Shao, K.-P.P. 7042.
Shao, K.-P.P. 8097.
Shapiro, J.A. 3988.
Shapiro, M. 6807.
Shapiro, R. 2590.
Sharina, A.K. 8191.
Sharina, A.K. 8191.
Sharina, J. M. 2501.
Sharina, J. M. 2502.
Sharina, J. M. 2502.
Sharina, J. M. 2503.
Sharina, J. M. 2503.
Sharina, J. M. 2504.
Sharina, S. C. 8929.
Sharina, S. M. 4620.
Shari

Shoemaker, P.B. 5456.
Shoemaker, S.P. 3499, 7738.
Sholi, A. 5849, 7849, 7738.
Shopova, M. 7225, 2286, 2295.
Shonnard, J. 5854.
Shonnard, J. 899.
Shorter, B. 188.
Shother, B. 189.
Shorter, B. 189.
Shorte

Simkins, S. 6944. Simmonds, N. W. 8992. Simmonds, R.S. 3219. Simmons, J.A. 2403. Simmons, J.R. 3833. Simmons, N.W. 1176. Simoon, E. 6631. Simon, H. 1842, 3448. Simon, H. 1842, 3448.

Sippel, J.E. 667. Siqueira, J.O. 5629. Siqueira, P.S. 4485. Siqueira, R. 5931. Siqueira, R. 5931. Siradhana, B.S. 8838. Siragi, P. 5715. Sireno, I. 2121. Sirianni, P. 909. Sirois, J.C. 2960. Sirot, D. 4052. Sirot, J. 4052, 7403. Sisler, H.D. 2092. Sitarama Raju, K. 2037. Simon, H. 1842, 3448.
Simon, J. M987.
Simon, J. M987.
Simon, J. M. 9474.
Simonson, D. 9118.
Simoni, D. 9118.
Simoni, D. 9118.
Simonson, C. 6 5891, 6616.
Simpson, B. C. 6 5891, 6616.
Simpson, B. C. 8678.
Simpson, B. K. 8678.
Simpson, D. J. H. 5004.
Simpson, B. J. 8517.
Simpson, D. J. H. 5004.
Simpson, D. J. H. 5004.
Simpson, M. E. 4474.
Simpson, T. J. 3421, 7785.
Sims, G. K. 5674.
Sims, B. K. 5674.
Sims, B. K. 5674.
Sims, B. C. 9283.
Sinclair, M. J. 9013.
Sinclair, M. A. 6714.
Sinclair, M. A. 6714.
Sinclair, M. A. 6714.
Singer, M. E. 3004, 8280.
Singh, A. P. 3298.
Singh, A. P. 3298.
Singh, B. M. 8202.
Singh, D. P. 8391.
Singh, D. S. 1214.
Singh

Semition 1, 1760
Semiti

Strange, R.N. 4492, 8092.
Stranger-Johannessen, M. 1038.
Strannegaard, Oe, 4773.
Strassburger, J. 8345.
Strate, R.G., 3116.
Stratowa, C. 6597.
Stratsburger, J. 8345.
Stratton, C.W. 666.
Stratton G.W. 659, 2174.
Stratton, C.W. 666.
Stratton G.W. 459, 2174.
Stratton, C.W. 666.
Stratton G.W. 459, 2174.
Stratus, P. 4595.
Stratus, R. 5495.
Stratus, W. M. 9257.
Stratus, J. L. 6730.
Stratus, J. J. 6345.
Stratus, J. J. 6434.
Stratus, W. M. 9257.
Stratus, J. J. 6345.
Stratus, J. J. 6436.
Stratus, J. 1941.
Stratus, W. M. 9364.
Stratus, J. 1941.
Stratus, W. M. 7590.
Stron, C. A. 4982.
Stron, F. 855, 3409.
Stron, J. 6486.
Struz, G. M. 354, 3926.
Struz, J. 1941.
Strut, M. 7590.
Struckey, R. F. 8911.
Strub, W. 1700.
Struckey, R. 6363.
Stuart, J. 1941.
Stuart, F. A. 5063.
Stuart, J. 1941.
Stuart, M. 7598.
Struckey, R. 6746.
Stuart, F. 3928.
Stuart, J. 1941.
Stuart, M. 1988.
Stuart, J. 1941.
Stuart, M. 1988.
Stuart, M. 2928.
Stuart, J. 1941.
Stuart, M. 1988.
Stuart, J. 1941.
Stuart, M. 1989.
Stuar

Surjama, A. 2406.

8. Surjama, N. 2501, S. Servicov, A.M. 5022.

8. Surjama, N. 2501, S. Servicov, A.M. 5022.

8. Surjama, N. 1623, S. Servicov, A.M. 5022.

8. Surjama, N. 1623, S. Servicov, A.M. 5022.

8. Surjama, N. 1623, S. Servicov, A.M. 5022.

8. Surjama, Y. 1625, S. Servicov, A.M. 5022.

8.

Taylor, E.C. 7458.
Taylor, F. 7528
Taylor, F. 7528
Taylor, C. 2002, 5721.
Taylor, U.N. F. 950.
Taylor, J.D. 5481
Taylor, J.D. 5481
Taylor, J.D. 4782.
Taylor, P.A. 178.
Taylor, J.R. 1782.
Taylor, T. 17908.
Tazaka, H. 8738.
Tazawa, H. 5757. Tazawa, H. 5757. I azawa, H. 5/3/.
I azawa, H. 5/3/.
Tchan, Y.T. 1601.
Tchan, Y.T. 1601.
Teaklo, D.S. 3810.
Teaklo, D. 4748.
Teaklo, T. 3810.
Tea Teshima, T. 3160.
Tesoro, A.M. 500.
Testa, J. 7676.
Testrake, D. 7380.
Teuber, M. 1717.
Tewari, J.P. 6257.
Tewier, O. 5222.
Texier, O. 5222.
Texier, O. 5222.
Thabet, F.M. 8229, 8990.
Thacker, L.G. 720.
Thacker, W.L. 3301.
Thakur, R.N. 331.
Thakur, R.N. 3944.
Thakur, F.N. 3944.
Thakur, F.N. 990, 3829.
Thakurta, B.G. 3529.
Thailer, V. 5253.
Thailmann, A. 5471.
Thamaung, A. 1289.
Thanh, N.C. 1472.
Thaplipal, P.N. 8930.
Thavechai, N. 287.
Thayanifty, K. 3230, 8509.
Thayer, D.W. 8714.
Thayen, W.V. 5203.

Therien, M. 7465.
Therien, M. 6775
Theren, J. M. 7219.
Therond, G. 5868.
Therend, G. 5868.
Thevasagayam, E.S. 1854.
Thevenord, D.R. 1454.
Thevasagayam, E.S. 1854.
Thevenord, D.R. 1454.
Thisgalingham, K. 6286.
Thibadut, M. 4226.
Thibadeau, L. 6860.
Thibadut, M. 4226.
Thibadeau, C. 6800.
Thibadeau, C. 6214.
Thier, V. 6241.
Thier, V. 6241.
Thier, A. 3433.
Thibadeau, C. 6214.
Thier, A. 3433.
Thibadeau, C. 6344.
Third, C. 6864.
Thirkill, D. 2256.
C. 6710.
Thiruvengadam, T.K. 4844.
Thiry, E. 6471.
C. 6474.
Thiry, C. 6474.

Thomson, J.E. 1049, 1066, 3322, 7009.
Thomson, K. 7493.
Thomson, K.S. 3089.
Thomson, R.B., Jr. 4036.
Thomson, R.B., Jr. 4036.
Thomson, R.B., Jr. 4036.
Thomson, R.O. 4481.
Thomson, R.O. 4481.
Thomsen, R. 6553.
Thonart, P. 3666, 4221.
Thongmearkom, P. 4505.
Thorley, C.M. 7624.
Thompely, C.M. 7624.
Thompely, R.N.F. 903, 2609.
Thomhill, P.J. 5240.
Thomley, J.H. 5041.
Thomiley, P.E. 9087.
Thomsberry, C. 436, 484, 487, 502, 503, 531, 1392, 2238, 2259, 2262, 3012, 3095, 3105, 4712, 4791, 4819, 4834, 4835, 7447, 4855, 6511, 7439, 7447.

Thornton, D.H. 5036, 6658, 8453. Thorsen, J. 2434. Thorsett, E.D. 2306. Thorvaldsen, G. 4111. Thottagoilly, G. 3784, 7137. Thottagoilly, G. 3784, 7137. Thouvenel, J.-C. 4512, 7144. Threffall, E.J. 3998, 9058. Thuma, N.K. 3677.

Thumar, B. 2280.
Thune, R.L. 7762.
Thunell, R.K. 4450.
Thurston, C.F. 5242, 5243, 6099, 6101.
Thurston, H.D. 8097.
Trian, S.Z. 3542.
Trian, X. 4986.
Tibaid, E. 7877.
Tibelius, K.H. 8585.
Tichacek, B. 4962.
Tiede, J.M. 2701, 4438, 5670, 6160.
Tominems, K.M. 6425.
Tiede, J.M. 2701, 4438, 5670, 6160.
Tominems, K.M. 6425.
Tiede, J.M. 2701, 4438, 5670, 6160.
Tominems, K.M. 6425.
Tiede, J.M. 2701, 4438, 5670, 6160.
Tominems, K.M. 6425.
Tiede, J.M. 2714, 4444.
Tignor, G.H. 4999.
Tijane, M. 6007.
Tikarmaeki, E. 4114.
Tignor, G.H. 4999.
Tijane, M. 6007.
Tikarmaeki, E. 4114.
Tignor, G.H. 4999.
Tijane, M. 6007.
Tikarmaeki, E. 4114.
Timornov, V.V. 2281.
Tikchonov, V.V. 2281.
Tikchonov, S. 4, 5749.
Tilkiard, P. 4664.
Tiller, F.-W. 8345.
Tilliard, P. 4664.
Tiller, F.-W. 8345.
Tilliard, P. 4664.
Tiller, F.-W. 8345.
Tilliard, P. 4664.
Tiller, F.-W. 8348.
Timbury, M.C. 2204.
Timmer, L.W. 280, 827, 1136.
Timmermans, P. 1492.
Timoney, J.F. 5314.
Timon

Trepanie, P. 645.
Trepate, R.W. 1794, 3315, 5050.
Trescorp, P.V. 5203.
Tresselt, D. 533.
Trevalat, M.W. 1646.
Trevarlan, L.E. 6290.
Trevors, J.T. 400, 412, 8988.
Trevors, K.E. 5333.
Trevors, K.E. 5333.
Trester, P.C. 5233.
Trester, P.C. 5233.
Trincin, A.P. 4058, 7454.
Triglano, R.N. 4838, 8136.
Trinch, A.P. 4058, 7454.
Triglano, R.N. 4838, 8136.
Trinch, A.P. 41677, 8815.
Trinck, M.J. 2124, 3360.
Trinch, R.W. 7860.
Triplehorn, B.W. 7960.
Trotagnowski, J. 7754, 7819, 8673.
Trotsenko, Yu.A. 1781.
Trotta, I. 5419.
Trotter, I. S. 6419.
Trotter, I. S. 6419.
Trotter, M. 3241.
Trowtzsch, W. 3126.
Troye, Blomberg, M. 633.
Truchet, G.L. 3834.
Truchet, G.L. 3834.
Truchet, G.L. 3834.
Truchet, G.S. 3688.
Truchet, S. 3444.
Trustinov, E.V. 6294.
Trust, T.J. 6053.
Trundfill, P.W. 7824, 8277.
Trustininskaya, G.N. 1704.
Trustinov, E.V. 6294.
Trust, T.J. 6053.
Trusto, S. M. 9045.
Tryackova, V. 778.
Trushinskaya, G.N. 1704.
Truster, J. 526.
Trasi, J. C. 3404.
Trasin, J. C. 3698.
Truches, S. 397, 3844, 5157, 5262.
B.S. 360.
Trasin, J. C. 3608.
Tras Isonement, K. 4588.
Ison, K.M. 9329.
Ison, C.C. 6986.
Ison, C.C. 6986.
Isono, C.C. 6986.
Isonogou, D. 2563.
Isonogou, D. 2563.
Isonogou, D. 2563.
Isonogou, C. 7566.

Microbiology Abstracts A vol. 19

Name, R., 246, 346, 550, 550

Microbiology Abstracts A vol. 19

Locker, P. G. 2002, 2004

Locker, S. 140, 346, 550, 550

Locker, S. 140, 346, 550, 550

Locker, S. 140, 346, 550, 550

Locker, S. 140, 550

Locker, S. 140, 550, 550

Locker, S. 140

Verma, D.P. (2016), 6006, 0015, Vermino, D.P. (2017), 6006, 0015, Vermino, D.P. (2018), 6006, 6007, 7007, 6007, 6006, 6007, 7007, 6007, 6007, 6007, 6007, 7007, 6007, 70

Miles D. M. 203, 6467, 9173.

White D. M. 203, 6467, 9173.

White

Valorio, G. J. S152
Valorio, C. J. S152
Valorio, C. J. S152
Valorio, C. J. S152
Valorio, C. J. V

Ziffer, H. 5249.
Ziffer, J. 2677, 2678.
Ziffer, J. 2677, 2678.
Zikmundova, V. 5715.
Ziberstein, Y. 2023.
Zilliken, F. 3515.
Zimmerman, E.R. 6728.
Zimmerman, S.B. 6562.
Zimmermann, A. 3609.
Zimmermann, G. 5232.
Zimmermann, G. 5232.
Zimmermann, W. 671, 8852.
Zimchenko, D. 3080, 3981, 7524.
Zing, J. 3080, 3981, 7524.
Zing, F.W. 313.
Zinger, F.W. 3147.
Zingibl, L. 6311.
Zissis, G. 3177.
Zissis, N.P. 4807.
Zirko, V. 7822.
Zitter, T.A. 8909.
Ziv, O. 291.
Ziamalova, J. 6961.
Ziatter, L. 5540.
Zingiewski, M., Jr. 2640.
Zocca, A. 7878.
Zoccher, R. 3132, 7780, 8379.
Zoellner, R. 4796.
Zoganss, H. 651.
Zohner, E. 672, 3543.
Zoon, K.C. 9111.
Zof, D.A. 1830.
Zolova, E.E. 3583.
Zioruri, M. 8038.
Zidai, J. 1706, 2245.
Zuberko, T.F. 6872.
Zuber, M. S. 6204, 8724.
Zuber, M.S. 6204, 8724.
Zuber, M.S. 6204, 8724.
Zuber, M. F. 788, 8654.
Zueva, V.S. 9070.
Zukowska, Z. 2139.
Zuravleff, J.J. 4209, 8357.
Zurenko, G.E. 6643, 9140.
Zurkova, E. 778, 1979, 1603.
Zvysajnitsev, D.G. 1272, 8233, 902.
Zwatz, V.B. 5244.
Zwick, T.C. 3961, 8257.
Zygraich, N. 3177.

## Subject Index

Abaca mosalc virus, disease transmission, vectors, Aphis gossypii, Musa textiiis 6276. Abattoirs, activated sludge, nutritive value, chickens 7015. airborne bacteria 1504.

amome pacteria 1504, bacteria enumeration, counting methods 4202, effluents, wastewater treatment, activated sludge, kinetics 6667, effluents, wastewater treatment, dissolved oxygen, activated sludge 6668. Abienaschue sezulentus, growth, yield, okra mosaic virus, inoculation time effects on 7167. Abies,

growth, yield, okra mosaic virus, inoculation time effects on 7167.
Ables, Scolybus ventralis attack, association wetwood, bacteria 5585.
Ables albe,
leaves, biodegradation, microorganisms 181
white rot, spatial distribution, annual rhythms, Collybia butyracea, Collybia
maculata 4616.
Ables balasmea,
forests, Bacillius thuringiensis, biological control, Choristoneura fumiferana

7778.
Soil nitrification, methanol extracts inhibition, proteins binding effects on, sub-alpine environments 2909.
soil, nitrification, phenols inhibition, sub-alpine environments 2908.
Ablee concolor, inoculum, Pisolithus tinctorius, spores 5579.
roots, Pisolithus tinctorius spores inoculation, seedlings survival 5607.

tools, Pisolitmus tinctorius spores inoculation, seedlings surrival 5607.
Abbe freeze, Abb f

Ables pinaspo,
Rhizosphaera oudemansii needlecast, pathogenesis 5608.
rot, Aphyliophorales fruit bodies 5611.

Abortiporus biennis,
wastewater treatment, rotating discs, industrial effluents 2941.

dental manipulation, pumice, Acinetobacter contamination 7540.

dental manipulation, purnice, Acinetobacter contamination 7540.

Abecile acid, ocalization, Alnus glutinosa nodules, actinornizas 346.

tobacco nosaic virus infectivity, Chenopodium amaranticolor 2044.

compactin hydroxylation 519.

fermentation, chitosan production 6889.

compactin hydroxylation 519, fermentation, chilosan production 6889.

Abuflon, jean diseases, abutilion mosaic virus, seasonal variations, chloroplasts ultrastructure 4541.

Abuflon hirtum, plant diseases, okra mosaic virus, epidemiology, Nigeria 6262.

Abuflon mosaic virus, cytopathology, Malvaceae 8815.

plant diseases, Abutilion, seasonal variations, chloroplasts ultrastructure 4541.

Abuflon aeliovianum, cytopathology, abutilon mosaic virus 8815.

Acacia, rust, fungi endigenous species, Hawaii 7236.

Acacia, dealibata, nitrogen-15, acetylene reduction, hydrogen gas production, environmental chambers 2986.

Acacia radiation, indiculation, Rhizobium 2906.

Acacia noiosericea, growth, Rhizobium-Glomus mosseae 6355.

Acacia radiation, inoculation, Rhizobium+Glomus mosseae 6355.

Acacia radiation, resulting the facts on 8969.

Acacia radiation, chilation, Rhizobium-Glomus mosseae 6355.

Acacia radiat

Acari, infestation, pest control, fruit bodies production, culture, Basidiomycetes 7855. Acaricides, antifungal activity, powdery mildew, Erysiphe pisi, pathology, Lens culinaris 8917.

Acaulospora, inoculum production, reviews 826, population levels, roots colonization, plantations, Coffea arabica 5626.

Acaulospora leevis, identification, use, fluorescent antibody test 3360, soil survival 5644, purpose growth, temperature effects on 402

soil survival 5644.
spore germination, hyphae growth, temperature effects on 402.
Acaulospora spinosa,
+roots, comparison, vesicles, use, inoculum 2153.

Acephate,
effects on, Chromobacterium lividum, nutrient uptake 6460.

effects on, Chromooacterum involum, numerir upiaxe 0-00.

Acer peaudoplantus,
sooty bark, Cryptostroma corticale, population structure, life cycle,
epidemiology, strains compatibility 6190.

Acer peaudoplatanus,
phylioplane, microflora succession 8936.
protoplasts, fusicoccin effects on pH 7110.
roots, nutrient flow, carbon sources, phosphate, mycelia, vesicular-arbuscular
mycorrhizas 5555.

Acer saccharinum,
lignocelluloses, biodegradation, Cyathus, Crucibulum laeve, Nidula
niveo-tomentosa 6948.

Acer saccharum, canker, Eutypella parasitica, pathology, economic importance, Canada 8179. forest products, defects, association, canker, Eutypella parasitica 8180. live troots, biodegradation, soil microorganisms 6322.

live roots, biodejardation, soil microorganisms 6322.

Acetaldehyde,
analysis, Streptococcus lactis, acetaldehyde 2,4-dinitrophenylhydrazone
measurements, high-performance liquid chromatography 6927.
by-products, pyruvate decarboxylase catalysis, pyruvic acid, chromatography use,
Saccharomyces cerevisiae 7721.
production, ethanol conversion, Candida utilis 3684.
production, ethanol conversion, Candida utilis 3684.
Acetaldehyde 2,4-dinitrophenylhydrazone,
measurements, acetaldehyde analysis, high-performance liquid chromatography.
Streptococcus lactis 6927.

Streptococcus lactis 6927.

Acetate kinase,
immobilized enzymes, NADP production, ATP recycling 143.

Acetic acid,
acid production, soil microorganisms, straw decomposition, ash, stabilization,
soil properties 7300.
biosynthesis, enzymes levels, Clostridium acetobutylicum 859.
biosynthesis relationship, methanogenesis pathways, methanogenic bacteria 1295.
conversion, methanogenesis, immobilized cells, supports 7304.
conversion, methanogenesis, miterios, bioreactors 3979.
conversion, methanogenesis, miterios, bioreactors 3979.
conversion, methanogenesis, miterios, bioreactors 3979.
digestion (angerobic). methanogenesis, inhibition, 2-bromoethanesulfonate 7524.

digestion (anaerobic), methanogenesis, inhibition, 2-bromoethanesulfonate 7524. esters, production, acetyl-CoA levels, wort fermentation, Saccharomyces cerevisiae 4416.

cerevisiae 4416.
esters, production, wort fermentation, Saccharomyces uvarum 4420.
termentation, kinetics, methanogenesis, methanogenic bacteria 3002.
glucose, bicarbonate, effects on, digestion (anaerobic), waste treatment 3191
incorporation, Aspergillus parasiticus aflatoxins, association antifungal agents
217.

incorporation, Aspergillus parasiticus aflatoxins, association antifungal agents 217.
nutrient requirements, wastewater treatment, ozonation, Spirillum 4121.
production, cellulose fermentation, Clostridium 6150.
production, cellulose fermentation, Clostridium acetobutylicum 5111.
production, netwreatmentation production, extraction, Clostridium thermoselium 589.
production, extraction, Clostridium thermoselium 3414.
production, fermentation, lactic acid bacteria 5240.
production, petrochemicals, biomass 3372.
radioactive labelling, systalone biosynthesis, Phialaphora lagerbergii 7785.
steroids, Streptomyces albus fermentation 6049.
Acetic acid bacteria,
fermentation, wine, Phoenix dactylifera 5288.
musts, malolactic fermentation, ethanol fermentation 6936.
succession, wine fermentation, storage 6134.
Acetivibrio cellulolyticus, cellulose fermentation 172.
+ Desulfovibrio+Methanosarcina barkeri mixed culture, cellulose degradation, methanogenesis 2186.
Acetobacter acetl, useps, xyllnum,
endodeoxyribonuclease, purification, hypa fruticans 6999.
Acetobacter acetl subseps. xyllnum,
endodeoxyribonuclease, purification, characterization, nucleotide sequence cleavage 3501.
Acetobacter peateurlans,
acetic acid bacteria succession, wine fermentation, storage 6134.
Acetobacter peateurlans,
acetic acid bacteria succession, wine fermentation, storage 6134.
Acetobacter peateurlans,
acetic acid bacteria ruccession, wine fermentation, storage 6134.
Acetobacter peateurlans,
acetic acid bacteria succession, wine fermentation, storage 6134.

acetic acid bacteria succession, wine fermentation, storage 6134.

Acetobacter peroxydams,
lactate oxidase, purification, immobilization, lactic acid bioassays 3447.

Acetobacter woodil,
mixed culture, methanogenic bacteria, immobilized cells, methanogenesis, sucrose
conversion 2162.

RINA, comparison methodology 2513.

Acetogenium kivul, accellular mixed quibus, collulare formantation 9671.

+Clostridium thermocellum mixed culture, cellulose fermentation 8671.

+ Clostridium thermocellum mixed culture, cellulose fermentation 8671.
Acetoin,
by-products, pyruvate decarboxylase catalysis, pyruvic acid, chromatography use,
Saccharomyces cerevisiae 7721.
flavor compounds, production, dairy industry, immobilized cells, Streptococcus
lactis subsp, diacetylactis 6992.
production, fermentation, lactic acid bacteria 5240.
Acetolactate decarboxylase,
Lactobacillus casei, use, yeasts brewing, beer maturation 7800.
Acetolactate synthase,
purification, physicochemical properties, Escherichia coli 1795.
Acetone.

purification, physicochemical properties, actions, Acetone, biosynthesis, enzymes levels, Clostridium acetobutylicum 859. butanol production, Clostridium acetobutylicum 142. Clostridium acetobutylicum production, mathematical models 976. fermentation, glucose effects on, batch culture, Clostridium acetobutylicum 3545. fermentation, inhibition levels, Clostridium acetobutylicum 952. levels, measuring techniques, gas chromatography, fermentation, Saccharomyces cerevisiae 3581. revision indestining techniques, gas caronialography, termentation, Saccharomyces cerevisiae 3581.

production, bioreactors, Clostridium acetobutylicum 5244.

production, Clostridium acetobutylicum 5237.

production, continuous culture, Clostridium acetobutylicum 981.

production, crop residues termentation, Clostridium acetobutylicum 7832.

production, fermentation, Clostridium acetobutylicum 140.

production, plucose fermentation, batch culture, Clostridium acetobutylicum 4383.

production, pentoses conversion, bacteria 3598.

production, pentoses conversion, bacteria 3598.

production, porticabernicals, biomass 3372.

production, sporulation relationship, Clostridium acetobutylicum 4381.

production, whey conversion, biostridium acetobutylicum 4381.

production, whey fermentation, Clostridium acetobutylicum 3346.

recovery systems, Cephalosporium coremiodies, fouling 7525.

role, Rhizoctonia solarii growth inibition 1337.

use, astraction lipidis, Acholeplasma laidiawii, association, freezing 9314.

Acetonitrile, biodegradation, nitrilase, amidase, Brevibacterium 3665.

Acetonyl p-hydroxybenzoate, antibacterial activity 6464.

6-Acetonyl penicillanates, synthesis, oxidizing agents, stereoselectivity 6538. Acetonyl selleylate, antibacterial activity 6464. 6-Acetonylidene penicillanates, synthesis, oxidizing agents, stereoselectivity 6538. synthesis, Acetyl-CoA,

levels, acetic acid esters production, wort fermentation, Saccharomyces cerevisiae 4416.

leveis, acetic acid esters production, wort termentation, Saccharomyces cerevisiae 4416.

Acstyl-CoA acetyttransferase, Klebsiella pneumoniae, activity, bloassays, characterization 8612. purification, ion-exchange chromatography, Clostridium kluyveri 8588.

\*\*Macstyl-muramyl-L-alenju-Daleoglutamine, adjuvants, Corynebacterium diphtheriae synthetic peptides, antigenicity, vaccines, mice 6656, vaccines development 8388.

\*\*Z-Acstylsminoffuorane, enhancement, fluorescent probes, methodology, hybridization analysis, DNA, cytomeglovirus (human) 9282.

\*\*Acstylaranotin, plants growth regulators, structure, biosynthesis, Aspergillus terreus 2668.

\*\*Acstylation, activation aspartate armmonia-lyase, Escherichia coli 1788.

\*\*Acstyldeoxyntvalenol, biosynthesis, Fusarium solani var.coeruleum, potatoes 5372.

\*\*Acstylations, acetylene reduction measurement, Glycine max nodules, nitrogen interaction 7293.

fixation 7293.

fixation 7293. inhibition, hydrogenase, activity, Azospirillum brasilense 8585. inhibition, nitrogenase activity, Rhizobium, oxygen diffusion, nodules, Leguminosae 8252. production, microorganisms 8265. catylene reduction, bioloping, Frankia, actinorrhizas, relationship nodulation, Alnus glutinosa 8157. effects on, nitrogen sources, carbon sources, bioassays, bacteria 7614, measurement, acetylene concentrations, Glycine max nodules, nitrogen fixation

measurement, Oryza sativa roots, nitrogenase activity, diurnal variation, seasonal variations 5674.

seasorial variations 307...
introgen fixation, environmental chambers, Leguminosae 2986.
introgen fixation, ethylene release, soil, peat, Finland 4651.
introgen fixation, indicators, ureides levels, Glycine max 2164.
introgen fixation, introgenase, measuring techniques, nodules, actinorrhizas,
Alnus incana 8153.

nitrogen fixation, relationship ureides levels, environmental factors, Glycine max 2162.

nitrogen fixation, Rhizobium, nitrogen-15, environmental chambers, Trifolium subterraneum 2985.
Introgen fixation, Rhizobium, varieties, Vigna unguiculata 4645.
Introgen-fixing bacteria, soil, litter, forests, Eucalyptus obliqua, Pinus radiata 893.

nitrogenase mutants, iron protein, molybdenum-iron protein, Klebsiella pneumoniae 2612.

2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.
2612.

antibacterial activity, Escherichia doli, association, stability 1399.

Acetylpolyamines, polyamine oxidase oxidation, extracellular enzymes, Penicillium 932.

2-Acetylpyrimidine, thiosemicarbezones, antibacterial activity, Enterobacteriaceae, Staphylococcus

thiosemicarbazones, antibacterial activity, Enterobacteriaceae, Staphylococcus aureus, Neissonia 7372.

2-Acetylquinoline, thiosemicarbazones, antibacterial activity, Enterobacteriaceae, Staphylococcus aureus, Neissenia 7372.

Acetylaelicylic acid, disease control, Agrobacterium tumefaciens, crown gall, Nicotiana tabacum 7217.

D-Acetylserine (thiol-)-lyase, purification, characterization, Bacillus sphaericus 4329.

Acetyltransferase, Staphylococcus aureus, Staphylococcus antigemidis.

Staphylococcus aureus, Staphylococcus epidermidis, clinical isolates, purification, characterization, role, antibiotic resistance 5165.

purication, criteriastantization, and Achaes Janata, Achaes Janata, larvae, mortality, exotoxins, Bacillus thuringiensis 1852.

Achtya fagellata, antifungal activity screening, aquatic environment fungicides 2893.

Antifurnal activity screening, aquatic environment fungicides 2893.

antifungal activity screening, aquatic environment fungicuous zess. 
Achiya racemosa, 
antifungal activity screening, aquatic environment fungicides 2893. 
Acholeplasma lactivity, herbicolin A 9214. 
Acholeplasma leidfawil, 
deoxyuridine triphosphatase, purification, characterization 6845. 
freezing, association electron microscopy, methanol, acetone, use, extraction, 
lipids 9314. 
phosphatase, denaturation, renaturation, electrophoresis 7707. 
Achromobacter, 
biodegradation, 4-chlorobiphenyl 5304. 
manganese removal, ores 1287. 
PCB biodegradation, reviews 7827. 
Achromobacter delicatulus, 
cell culture methodology, association, polysaccharides production 114. 
Achromobacter peatifier, 
hypochlorous acid, chlorine dioxide, antibacterial activity, models, in vitro

Achromobacter pestifer, (continued)

Achromobacter xylosoxidans, nosocomial infection isolates, fatty acid composition, antibiotic sensitivity testing 4789

Actinopeptidase, cytolysis, gram-positive cocci, methodology 1578.
Acid phosphatase, holdinopeptidase, activity, andomycorrhizas, Epidendrum ibagnense 8199.

4/20. inhibitors production, Aspergillus, Penicillium 917. microorganisms, stimulation, Lumbricidae activity, activated sludge 7265. purification, kinetics, Capnocylophaga ochracea 2568. purification, Phodotorula glutinis 5123.

purmication, Hinodrotrula giuruns 5 123.
Acid production,
acetic acid, soil incroorganisms, straw decomposition, ash, stabilization, soil
properties 7300.
dairy starters, strains synergism, cheese 7866.
detection, oxidation fermentation media, Nelsseria, Branhamella catarrhalis 1658.
fluoride, effects on, streptococcus mutans, dental plaque 7554.
lactic acid bacteria, silage fermentation, Zea mays 7873.

methanogenesis, anaerobic conditions, wastewater treatment, industrial effluents

methanogenesis, straw, lignocelluloses, sodium hydroxide hydrolysis 9032. temperature tolerance, dairy starters, lactic acid bacteria 6187.

temperature tolerance, cairy starters, lactic and bacteria of or.
Acid rain,
anions effects on soil microorganisms heterotrophy 2939.
effects on soil microorganisms growth, heterotrophy 2940.
Lycopersicon esculentum, speck, Pseudomonas syringae pv.tomato 4554.
pollution effects, hirffication, dentiffication, soil microorganisms 8245.
pollution effects, plant diseases, pathogens 7920.

Acidification. effects on, bacteria growth, spoilage, textured soy protein, beef, minced meat 6987.

6987.
Acidity,
gramicidin S, water chemistry 6577.
mitomycin, physicochemical properties 1840.
soii, effects on Vigna unquiculata nodulation, Rhizobium 8993.
soii, sand, dunes, coastal environments, sulfur oxidation 8968.
Acidogenic bacteria,
stanter cultures, meat production 5322.
Acidophilic bacteria,
thermophilic bacteria, minerals sulfide oxidation 416.
Acids,

thermophilic bacteria, minerals sumde oxidation 410. Aclds, drainage, mines, pollution effects, leaf litter decomposition, reservoirs, bacteria 4429. hydrolysis, wood, sugars fermentation, ethanol production 7814. inactivation, spore germination, Bacillus, Clostridium, food, reviews 7026. organic compounds, wine, effects on fermentation, microorganisms 8672. prefuetatment, wood, hydrolysates, fermentation, 2,3-butanediol, butanol, production, Clostridium acetobutylicum, Klebsiella pneumoniae 5220. treatment, effects on hydrophobicity, uttrastructure, endotoxins, Salmonella minnesota 4476.

minnesota 4476.
Trichoderma viride, cellulase, biodegradation, Triticum aestivum, straw 6166.

Aclinetobacter, alicyclic ring biodegradation, reviews 8277. antibacterial activity, ciprofloxacin, comparison, norfloxacin, nalidixic acid

antibacterial activity, ciprofloxacin, comparison, norfloxacin, nalidixic acid 6465.

aromatic compounds biodegradation, pathway characterization, plasmids genetic control, reviews 8279.

biodegradation, aromatic compounds+halogens, mechanisms, reviews 7826. ceftriaxone antibacterial activity, agar diffusion test 1392. clinical isolates, antibacterial activity, bactericidal activity, dibekacin, gentamicin, tobramycin 6540.

contamination, pumice, dental manipulation, abrasion 7540. identification. AutoMicrobic test 1645. netflimicin sensitivity 6401.

PCB biodegradation, reviews 7827. phenols biodegradation, industrial effluents isolates 8685. reactors, cutting fluids biodegradation. Pluids industrial effluents isolates 8685. reactors, cutting fluids biodedgradation, 2191. adaption 2191. ad

petroleum biodegradation 3985, petroleum biodegradation 4682. AcInetobacter Iwoffi, plasmids, role hydrocarbons oxidation, wastewater treatment 7309. Aclacinomycin A, binding, DNA, physicochemical properties 956. inactivation, phage A, phage 9X174, characterization 1351. Streptomycos galiliaeus, biosynthesis, aclacinomycin B conversion 953. Aclacinomycin B, Streptomycos galiliaeus, conversion, actacinomycin A biosynthesis 952.

Streptomyces galilaeus, conversion, aclacinomycin A biosynthesis 953.

Acmycln,

Streptomyces, antifungal activity, Helminthosporium oryzae, Curvularia lunata 4869.

4699.
Acontate hydratase,
formation, 2-ketoglutarate regulation, Bacillus subtilis 4281.
Acquired immune deficiency syndrome,
blood transfusion, disease transmission, identification, radioimmunoassay,

methodology, man 646 Acremonium, growth conditions, meat, food contamination 6193.

Acremonium chrysogenum, cephalosporin C production, association arthrospores 4829. 
Acremonium coenophialum, infection, Festuca arundinacea, transmission (seed) 8790. 
Acremonium zonatum, arthrospores 4829. 
Acremonium zonatum, arthrospores 4813. 
Acremonium zonatum, arthrospores 8813. 
Acremonium zonatum, arthrospores 8827. 

Acremonium zonatum, arthrospores 8827

genes, mapping, chromosome 6, Saccharomyces cerevisiae 6788.

Actinida chinenals,
Pseudomonas canker, pathogenesis, USA, California 275.

Actinobacillus actinomycetemcomitans,
antibacterial activity, sodium fluoride 5861.
media (selective) 710.

Actinomadura,
alanine peptidase, active sites, binding, monobactams 4274.
oxanthromicin, biosynthesis, characterization 6561.

Actinomadura azurea sp.nov.,
cationomycin biosynthesis 1416.

Actinomadura recticatena sp.nov.,
antibioritis production, rubromycin, griseorodin 4060.

Actinomadura roseoviolacea,
akrobomycin, production, isolation, characterization 3541.
rubeomycins, structure 4372.

Actinomyces
conversion, hydroxylation, novobiocin, derivatives, chlorobiocin 5792.

Actinomyces
conversion, hydroxylation, novobiocin, derivatives, chlorobiocin 5792.

Actinomyces thermophilus,
+ Azotobacter chrocococum, + Mixbacterales, + Streptomyces+Bacillus, inoculum,
effects on yleid, Solanum tuberosum, Zea mays 8201.

Actinomyces viscosus,
antibacteria activity, sodium fluoride 5861.

Actinomyces viscosus, antibacterial activity, sodium fluoride 5861.

Actinomycetes, aminoglycoside antibiotics biosynthesis, antibiotic resistance relationship 3016. aminoglycoside antibiotics, production, genetic engineering 5759. ancoverin, isolation, amino acid sequence 2290. artibiotic A2315A biosynthesis 9210. antibiotic A2315A biosynthesis 9210. antibiotic asistance, aminoglycoside antibiotics 3022. artimicrobial activity, nematicides 1325. biosynthesis, indiclactam V, tumor-promoting agents 8653. classification methodology, chemical properties 1647. composting, sewage sludge, crop residues, Oryza sativa 7492. 2,4-dloxohexahydro-1,3,5-triazine inhibition 3970. distribution, incidence, pasture, nematicides effects on 7295. drinking water, aerosols, allergic alweditis, seroepidemiology, man 4932. dust, isolation, enumeration, methodology comparison 1646. ecological distribution, environmental factors, population levels, soil, Australia 6991. achielane Ashelanchus ayenae 7263.

Australia 8991.

Australia 8991.

enumeration, forests soil, labuctril 25 treatment 4674.
food sources, feeding, Aphelenchus avenae 7263.

β-D-mannosidase, mannars hydrolysis, Cocos nucifera 8604.
media (solation) methodology 775.
microbial pollution, odor intensity, relationship pH, oxygen, reservoirs 3212.
odor compounds, chemical composition, water quality 2648.
odor compounds, odors, off flavor, water quality 2649.
odor compounds, odors, off flavor, water quality 2649.
production, ethane, ethylene, acetylene 8265.
proteinase inhibitors production, screening methodology 7657.
production, ethane, ethylene 2009.

production, ethane, ethane,

(s,3)-FN,1 euryperecularitile socialite acid, production, illustration, prospersion 5957.
sediments analysis, cooling towers 561.
sediments analysis, ecological analysis, soil properties, soil temperature, deserts 4623.

deserts 4823. soil microorganisms, isolation, membrane filtration 6316. soil microorganisms, methoxychlor effects on 9024. starter cultures, aroma, sausages 7858. symbionts, leaves, Tozzia alpina 8204. vertical distribution, indigenous species, ground water 5816. ctchromycln D, sensitivity, RNA replication, plant viruses, Vigna unguiculata leaves infection 7931.

uctinoplanes, antibiotic A-16686, biological properties, antibacterial activity, Staphylococcus, Streptococcus 6571.

Actinoplanes, (continued)
antibiotic A-16686, isolation, characterization 6568.
Actinoplanes missouriensis,
biosynthesis, actaplanin, isolation, chemical composition 4870.
Actinoplanes teichomycepticus,
teichomycin, aromatic compounds, amino acid composition 9213.
teichomycin, isolation, physicochemical properties 8384.
Actinornhizas,

celinorrhizas, existin, physiciterisma properties 5394. 
Alhus, Frankia, nitrogen fixation, conferences 5100. 
Alnus glutinosa nodules, factors affecting dormancy 347. 
Alnus means, Frankia, nitrogen fixation 4593. 
Casuarina, histochemistry, Franse 4604. 
Casuarina, histochemistry, Franse 4604. 
Frankia, Alnus glutinosa, ritrogen fixation 4593. 
Frankia, Alnus glutinosa roots 2005. 
Frankia, Alnus glutinosa roots 2005. 
Frankia, Alnus rubra, Cytisus scoparius, nutrient uptake, silviculture, Pseudotsuga menziesii 8159. 
Frankia, aromatic compounds effects on 4595. 
Frankia, aromatic compounds effects on 4595. 
Frankia, aromatic scompounds effects on 4595. 
Frankia, hybpha morphology, biotyping, nodulation, Alnus nitida 8155. 
Frankia, hybpha morphology, biotyping, nodulation, Alnus nitida 8156.

Frankia, Biotyping, nodulation, Alnus glutinosa 8157.
Frankia, Casuarina 4596.
Frankia, hyphae morphology, biotyping, nodulation, Alnus nitida 8158.
Frankia, inculation, stimulation growth, Alnus 8160.
Frankia, nitrogen fixation, Interaction vessicular-arbuscular mycorrhizas, phosphate nutrient uptake, Hippophae rhamnoides 8243.
Frankia, nitrogense, acelytene reduction, seasonal variations, relationship reproductive organs growth, Alnus glutinosa 8155.
Frankia, nitrogenses, entrogen fixation, Hydroponics, stiviculture, nutrient requirements, Alnus incana 8152.
Frankia, nitrogenses, entrogen fixation, measuring techniques, acetylene reduction, nodules, Alnus incana 8153.
Frankia, nodulation, inculation, gropogation, seedings, Alnus crispa 8154.
Frankia, nodulation, inculation, propagation, seedings, Alnus crispa 8154.
Frankia, not hairs, Alnus rubra 4599.
Frankia, not ultrastructure, privage drummordi, Hubus ellipticus 8150.
Frankia, not hairs, Alnus rubra 4599.
Frankia, totha siraculare, introgenase, nitrogen fixation, Alnus nitida, Colletia cruciata, Dattisca 2863.
Isulation, politis, Frankia 4602.
media (solation, Pitra decomposition, nitrogen cycle, peatlands, Myrica gale 4608.
nitrogen fixation, politischin, podulation, political proposition, politisch produlation, political proposition, politischin, political produlation, politic

8244. nitrogen fixation, Myrica gale 4608. nitrogen fixation, nodulation, nodules morphology, Datisca cannabina, Alnus nitida 8151.

nitrogen fixation, nodulation, nodules morphology, Datisca cannabina, Alnus nitida 8151.

nitrogen fixation, plantations, silviculture, Alnus glutinosa, Populus nigra× Populus richocarpa 8156.

nitrogen fixation, seasonal variations, peatlands, Myrica gale 9001.

nitrogen fixation, seasonal variations, peatlands, Myrica gale 9001.

nitrogen fixation, tropical environment, agroforestry, reviews 2915.

nitrogen fixation, tropical environment, Casuarinaceae, reviews 2914.

nodules, Alnus glutinosa, abscisic acid localization 346.

nodules, Casuarina cunninghamiana, Myrica gale, hemoglobins levels 4805.

symbiosis, plants, nitrogen fixation 9009.

Actinosporanglum, pyrrolomycin C, pyrrolomycin D, pyrrolomycin E, structure 2287.

Actinosporanglum vitaminophilum, pyrrolomycin C, pyrrolomycin C, pyrrolomycin D, pyrrolomycin C, pyrrolomycin C, pyrrolomycin D, pyrrolomycin E, et alice position properties 2285.

pyrrolomycin F, derivatives, biosynthesis, bromide media, antibacterial activity, antitungal activity 2295.

Activated studge,

abatoris, dissolved oxygen, wastewater treatment effluents 6668.

abatoris, industrial effluents, nutritive value, chickens 7015.

acclimitization, biodegradation, phenols, benzoic acid derivatives 5829.

aniline biodegradation, intrification inhibition 4093.

Biochemical oxygen demand, oxygen consumption, monitoring, automated methods

biochemical oxygen demand, oxygen consumption, monitoring, automated metholochemical oxygen demand, oxygen consumption, monitoring, automated metholochemical oxygen demand, oxygen consumption, monitoring, automated metholochemical cativity, aminopepidiase biosynthesis, measurements 4094. biodegradation, openyniphenol 7836. biological activity, aminopepidiase biosynthesis, measurements 4094. biomass, ATP measurements, wastewater treatment 6696. bovine serum albumin removal 2357. bulking, filamentous microorganisms 7495. cadmium uptake, EDTA effects on 3192. cadmium uptake, EDTA effects on 3192. carbon sources, nitrogen sources, energy metabolism, statistical analysis 7522. dehydrogenase activity, dissolved oxygen effects on 4095. dehriffication, nitrification 2345. digestion (anaerobic), research programs recommendations 7506. dissolved oxygen diffusion, mathematical models 9239. dissolved oxygen diffusion, mathematical models 9239. dissolved oxygen diffusion, mathematical models 6690. enumeration, enterovirus, characterization 4930. extracellular polymers extraction methodology, flocculation correlation 1462. flocculation, bacteria 4119. humic acid biodegradation y radiation treatment, leachates 1489. industrial effluency oxygen levels, mathematical models 1464. kinetics, mathematical models 5444. kinetics, wastewater treatment 4091. Klebsiella aerogenes capsules polymers, binding, heavy metals 6679. mathematical models 6692. mathematical models 6692. mathematical models 6692. metabolism, biodegradation, peptone, propyl alcohol, methanol 6706. methanogenesis, sedimentation, methanogenic bacteria 3203, microorganisms climax community characterization 1473. microorganisms climax community characterization 1491. models 2344. enmatophagous fungi, parasitism, predation, Nemata population dynamics 7537. microorganisms climax community characterization 1473.

models 2348. nematophagous fungi, parasitism, predation, Nemata population dynamics 7537. netrification, denitrification 1473. netrient concentrations, nitrogen 4083. oxidative metabolism, phenols removal, wastewater treatment 5847. pesticides removal 4086. phenol biodegradation, kinetics 6674. phenol inhibition, models, wastewater treatment 552.

Activated aludge, (continued)
phenol inhibition, oxygen consumption, monitoring, computer applications 6703.
pollutants biodegradation kinatics, industrial effluents 1486.
reactors, cutting fluids biodegradation, bacteria identification 178.
redox potential, malate dehydrogenase activity 6686.
respiration, bloassays, toxicity testing, chemical pollution, pollution Adenylate cyclase, activity, calmodulin activation, Neurospora crassa 7753. Adenyltransferase, Staphylococcus epidermidis, clinical isolates, purfication, characterization, role, antibiotic resistance 5165. Adhastives, forest products, biodegradation, fungi 7241.

Adlantum capillus-veneris, ritzosphere microorganisms, fungi 8981. respiration, bioassays, toxicity testing, chemical pollution, pollution monitoring 543.

settlement, bacteria flocculation, extracellular polymers production, role, nutrient balance 2332.

sewage sludge bulking, filamentous microorganisms 2343.

sewage treatment, kinetics, mathematical models 2381. Mizzispitere inicotorganisms, pinjuspiner inicotorganisms, magrocada, Adjuvants, carriers, N-acetyl-muramyl-L-alanyl-D-isoglutamine, Clostridium tetani toxoids, Corynebacterium diphtheriae synthetic peptides, antigenicity, N-acetyl-muramyl-L-alanyl-D-isoglutamine, mice 6858 major histocompatibility complex purification, immunogenicity, vaccines 6589. viruses recovery, waste water effluents 4956. waste treatment, lipids emulsions 3195. Adoxophyes orana, biological control, baculovirus 2642. ADP, waste treatment, pentachlorophenol containing synthetic wastes, use, Arthrobacter waste treatment, pentachlorophenol containing synthetic wastes, use, Arthrobact 559.

wastewater treatment, aerobic bacteria, ATP, monitoring, characterization 8409, wastewater treatment, aliphatic alcohols effects on oxygen consumption 6675, wastewater treatment, carbon (activated), industrial effluents, dyes 6677.

wastewater treatment, coapper ffocts on 4113.

wastewater treatment, day, kinetics, microorganisms 4925, wastewater treatment, segn, kinetics, microorganisms 4925, wastewater treatment, inclustrial effluents, food industry 4111.

wastewater treatment, kinetics, mathematical models 4900.

wastewater treatment, kinetics, mathematical models 4900.

wastewater treatment, withoutsid effluents, food industry 4111.

wastewater treatment, microorganisms, population dynamics 4105.

wastewater treatment, microorganisms, population dynamics 4105.

wastewater treatment, reviews, bibliographies 4905.

wastewater treatment, processes control 3193.

wastewater treatment, 2,4-dinitrolouene conversion 7493.

Zoogloes biodegradation organic compounds 7490.

Active transport, inhibition, mystatin, antibiotic resistance, Candida tropicalis 5716.

Aculacin A, antifungal activity, cell walls, ultrastructure, Candida albicans 9108.

Aculaximycin,

Streptosporrangium albidum, isolation, fermentation, antibacterial activity, antifungal activity, larvicides, Culicidae 2293.

Acyl carrier protein, secondary structure, etritary structure, nuclear Overhauser effect, Escherichia coli 1.

Acyl-CoA. ADP, gramicidin S affinity, Bacillus brevis 1409. 
succinyl-CoA synthetase (ADP-forming) binding sites, 5'-p-fluorosulfonylbenzoyl 
adenosine chemical modification, Escherichia coli 1758. 
ADP-ribosyl transferase, 
nucleotide sequence, amino acid sequence, biosynthesis, comparison, Escherichia 
coli, Vibrio cholerae 7120. 
ADP-ribosylation, Street St sites, Vibrio choierae toxins A1-subunit, amino acid sequence 1085.

Aedes, biological control, snow pools, Bacillus thuringiensis, USA, Michigan 6919.

larvae, biological control, Leptolegnia chapmanii 8640.

Aedes aegypti,
Bacillus thuringiensis, serotypes, endotoxins, toxicity, biological control 8635.

Bacillus thuringiensis subsp. israelensis, biological control, Israel 2672.

Bacillus thuringiensis subsp. israelensis, biological control, Israel 3543.

biological control efficacy, sepended matter, tribidity, effects on, Bacillus thuringiensis var. Israelinsis 8642.

biological control, mortality, dose-response effects, Culicinomyces clavisporus 6911. 691.

cell culture, cytopathology, δ-endotoxin, Bacillus thuringiensis subsp. israelensis 4491. Isrvae, Bacillus thuringiensis toxicity, biological control 8647. Isrvae, biological control, pathogenicity, Metarhizium anisopilae 6630. Isrvae, biological control, toxicity, Bacillus thuringiensis, Bacillus sphaericus, pollution effects, frash water 2658. Isrvae, mortality, density effects on, biological control, Bacillus thuringiensis subsp. berliner 4396. Isrvae, moxicity, Bacillus thuringiensis subsp. baritant production of the subsp. baritant p Acyl-CoA, Acyl-CoA, activation pyruvate carboxylase, yeasts 889.

Acyl-CoA dehydrogenase (NADP\*\*), purification, characterization, electrophoresis, Escherichia coli 7697.

Acyl-CoA oxidase, Cardida tropicalis, iboassays, fatty acids serum levels 586.

Acyl-CoA synthetase, Pseudomonas aeruginosa, bioassays, fatty acids serum levels 586.

Acyl-coA synthetase, Pseudomonas aeruginosa, bioassays, fatty acids serum levels 586.

Acyl-amio-1-(pshenyl)1H-tetrazol-5-yl)amino]-2-azetidinones, synthesis 6597. 2661.

Aedes cantator,
biological control, pathogenicity, Erynia aquatica 2665.

Aedes casplus,
biological control, field trials, formulations, Bacillus thuringiensis
subsp. israelensis 6916.

Aedes detritus,
biological control, field trials, formulations, Bacillus thuringiensis
subsp. israelensis 6916. synthesis 6587.

\*Acylamino-2-eazetidinone-1-autfonic acid,
derivative, synthesis, antibacterial activity 511.

\*Acylamino-3-methoxy-2-azetidinone-1-autfonic acid,
derivatives, synthesis, antibacterial activity 1438. Aedes triseriatus,
La Crosse virus antigens, enzyme immunoassay 609. Aggliops ventricosa, disease estatoria minimalassay oue. Aggliops ventricosa, disease resistance, Pseudocercosporella herpotrichoides eye spot, genes, transfer, Triticum aestivum 8078. eration,
association, deniriffication, waste water, bacteria 1466,
atmospheric pressure, fermenters, continuous culture, Candida utilis 5924,
2,3-butanecidi production, Klebsiella pneumoniae 3547,
carbon sources, regulation, Streptomyces clavuligerus biosynthesis cephams 309';
colistin production, Bacilius polymyxa 4880.
column, sewage treatment, bacteria media (culture), oxygen adsorption rates 329;
composting, agricultural wastes, industrial wastes, wool 4100.
composting, sewage sludge 5832.
dissolved oxygen, fermenters, penicilliir fermentation, immobilized cells,
Penicillium chrysogenum 7435.
effects on oleandomycin biosynthesis, Streptomyces antibioticus 2277,
effects on pectinolytic enzymes production, continuous culture, Aspergillus niger
8601. 505.

coupling factor 1, magnesium, cadmium complex, reaction mechanisms, structure, thermophilic bacteria 895.

Lactobacillus casei, molecular weight, subunits activity, N,N-dicyclobacylcarbodiimide inhibition 2589.

protons, ATP stoichiometry, N.M.R., membrane potential, mutants, Escherichia coll 8331. 8531

Adenosinetriphosphatase inhibitor, content, binding adenosinetriphosphatase, mitochondria, yeasts 905.

Adenosylhomocysteinase, Adenosylhomocysteine production 8623. purification, characterization, electrophoresis, Alcaligenes faecalis 7716.

S-Adenosylhomocysteine, production, use, Alcaligenes faecalis, adenosylhomocysteinase 8623.

Adenosylmethionine decarboxylase, purification, characterization, reviews, Escherichia coli, Saccharomyces cortevisias 8569. 8601 fermentation, lipids, carbon sources, salinomycin production, Streptomyces albus fermenters 8509 termenters 8509.

filters, microorganisms, carbon (activated), waste treatment 6698.
glycolysis, anaerobic conditions, Leuconostoc mesenteroides, effects on 854.
nitrification, modelling, wastewater treatment, supports, reactors 6670.
sewage sludge, composting, bulking agents, tires 4082.
sewage, water pollution, biodegradation, water treatment, streams 8410.
wastewater treatment, industrial effluents, phenols, coal 4902. cerevisiae 8569. Adenovirus, antibodies, nitrocellulose enzyme-linked immunosorbent assay 5020. antigens, detection, enzyme-linked immunosorbent assay 623. cell culture, cell lines 3242. detection, immunoperoxidase test methodology, cell culture 6734. electron microscopy, detection, antigen-antibody complexes 653. infectivity, indirect fuorescent antibody test, cell culture 4995. specificity, monoclonal antibodies selection, immunofluorescence solid phase methods 5885. water pollution, rivers, Japan 8423. Adenovirus (avian), immunoglobulin G, identification, serotypes, detection, enzyme-linked immunosorbent assay 5014. Adenovirus (human), hemagglutination, erythrocytes, glutaraldehyde fixation 2440. Adenovirus. wasiewater treatment, industrial entuents, prierrois, coar 4902.

Aerial photography,
surveys, Ceratocystis fagacearum, wilt, Quercus, USA, Texas 8189.

Aerobic bacteria,
animal isolates, antibiotic resistance, chlortetracycline, relationship feeds additives, pigs 8295.
antibacterial activity, ciprofloxacin, comparison, norfloxacin, nalidixic acid 6485.
antibiotic sensitivity testing, ciprofloxacin 4730.
antibiotic sensitivity testing, dissolved oxygen levels, electrochemistry, diagnosis, bacteriura 8445.
clinical isolates, hysterectomy postoperative infection, antibiotic sensitivity testing, man 9177.
composting, sewage sludge, crop residues, Oryza sativa 7492.
hydrolysis, peat, digestion (anaerobic), methanogenesis, bioreactors, methanogenic bacteria 7303.
media (enrichment), celluloytic enzymes activity 35.
recovery, bottles methodology comparison, clinical isolates 5038.
rods, identification, potassium hydroxide suspensions, comparison, vancomycin disc-diffusion test 3262.
spollage, pasteurization, packaging, cold storage, shelf life, seafood, 6465

spoilage, pasteurization, packaging, cold storage, shelf life, seafood, Crassostrea virginica 8720.

wastewater treatment, activated sludge, ATP, monitoring, characterization 8409.

62

cell culture, purification 6737

hemaggiutination, erythrocytes, glutaraldehyde fixation 2440. infection, immunoassays diagnosis, nasopharynx secretions, feces, children 3238.

infection, immunosasys diagnosis, nasopnarynx secrettons, neces, chiluren Adenovirus (human) 3, antiviral activity, antibodies+interferon, conjunctiva cell culture, man 2227. Adenovirus (human) 5, antiviral activity, cls-pletinum diamminodichloride 9124. HeLa cells, DNA-binding protein, X-ray crystallography 2563. hexons antibodies, immunodiagnosis, counter immunoelectrophoresis 2439. Adenovirus (porcine), cell culture, purification 5737.

Norobic conditions, blood culture, methodology comparison 1626. composting, animal wastes, Korea, Rep. 4101. com silage biodeterioration, microorganisms 5360. effects on, Iquid culture, detection, bacteremia, fungemia, anaerobic conditions 2514.

wastewater treatment, nitrogen sources, nutrient deficiency, models 1479.

biotypes, enterotoxins biosynthesis 2767.

contamination, drinking water, isolation, Australia 8412.

drug resistance plasmids incidence, Salmo gairdneri isolates 9072.

indicator species, population levels, water temperature, rivere, estuaries 4131.

isolation, Oryza sativa, rhizosphere, nitrogen fixation 5683.

monosodium methanearsonate, metabolism, conversion 1284.

oil dispersants biodegradation, sea water 1876.

taxonomic significance, enteroloxins biosynthesis 3760.

antimal isolates, antibiotic sensitivity testing 477.

antibiotic sensitivity testing, animal isolates 8350.

biotypes, enterotoxins biosynthesis 2767.

drinking water contamination, seasonal variations, clinical isolates correlation 8414.

extracellular enzymes, proteinase, cold storage effects on recovery 7762.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

18414.

erosois,

bacteria, mortuaries, environmental hygiene, ventilation 2415 bacteria spores, pathogens, laminar air flow, safety cabinets 9262 filtration, reduction, risks, occupational exposure, antitumor antibiotics, DNA tumor viruses, production, fermenters 9624.
Legionella pneurophila, disease transmission, epidemiology 3214. particulate pollution, microorganisms, association, harvesting machinery, measuring techniques, mathematical models 3229.
Puccinia hordei, urediniospores, deposition, methodology, Hordeum vulgare 8786. waste water, irrigation, viruses microbial pollution, public health risks, reviews 2336.
wastewater treatment, microbial pollution, pollution research 3187.

wastewater treatment, microbial pollution, pollution research 3187.

Jeschynomene,
stems nodulation, Rhizobium 9010.

Jeschynomene Indica,
stems nodulation, Rhizobium physiology characterization 2155.

Jeschynomene virginica,
biological control, weed control, Colletotrichum gloeosporioides spores
production, fermenters 3895.

Affinity chromatography,
cellulase yarification methodology, Trichoderma longibrachiatum 882.
malolactic fermentation activity purification, Leuconostoc cenos 8600.
multiple forms, purification, characterization, neurotoxins, clostridium tetani
7508.
proteins purification, use transition metalication, control in tetani
proteins purification, use transition metalication.

proteins purification, use transition metals chelates 3430.
protocatechuate 3,4-dioxygenase purification, Pseudomonas fluorescens 3486.
purification, cellulase, Chaetomium cellulolyticum 5143.
purification, characterization, phosphogluconate dehydratase, Zymomonas mobilis

4293.

4293.
purfication, elongation factor Ts, Escherichia coli 8522.
purfication, exo-cellobiohydrolase isoenzymes, Trichoderma reesei 6867.
purfication, termentation products, reviews, biotechnology 5227.
purfication, hemagglutinins, influenza virus 8435.
purfication, proteinase, Bacillus mesentericus 7732.
inghanistan, applicationius copus apil. Vitis virificas 1151.

agnariasan, epidemiology, Agrobacterium crown gall, Vitis vinifera 1151. 
Vitatoxicol, determination, liquid chromatography, eggs, food contamination 8732. 
feeds contamination, levels, eggs, tissues, chickens 8727.

Matroxicoels, association, fodes, eggs, usuoes, circuteris 0727. Matroxicoels, association, food contamination, man, domestic animals, reviews, historical account 7046, association, food contamination, reviews, historical account 7049.

Resociation, involved the state of the state

Antoxin B1,
antibodies, cross-reactivity 2,3-dihydro-2,3-dihydroxyaflatoxin B1 3740,
Aspergillus flavus, biosynthesis, antimicrobial agents, preservatives, effects
on, in vitro 7095.
Aspergillus flavus, biosynthesis, sorbic acid, stimulation 2761.
Aspergillus parasiticus biosynthesis, herbal medicines effects on 5377.
assays, food contamination, high-performance liquid chromatography 7044.
averufin incorporation, biochemistry 3742.
biosynthesis, Aspergillus parasiticus cell free system, sterigmatocystin
contramination, alleroens extracts. Aspergillus R722.

conversion 2760.

contamination, allergens extracts, Aspergillus 8722.

contamination, allergens extracts, fungl 3732.

contamination, allergens extracts, fungl 3732.

contamination, peanuts, gas chromatography, mass spectroscopy 6206.

decortamination, ammonial-heat, corn 7889.

delection, food, man, animals feeds, Zaire 7057.

delection, food, screening methodology, Egypt 7064.

determination, liquid chromatography, eggs, food contamination 8732.

effects on proteolytic enzymes, lactic acid bacteria, cheese production 8750.

feeds contamination, levels, eggs, tissues, chickens 8727.

food contamination, man, animals, screening methodology, reviews 7079.

Aflatoxin B1, (continued) grain contamination, Oryza sativa 8733. incidence, wheat 1927.

incidence, wheat 1927.

levels, temperature, humidity effects on, manure, chickens 6208.

mutagenicity testing, Ames fest 3738.

mutagenicity testing, Ames fest 3738.

production, antifungal agents effects on, Aspergillus parasiticus 3745.

radioimmunoassay, polyethylene glycol, separation techniques, ligands 7099.

thin-layer chromatography detection, olive oil 1931.

Affatoxin B2,

contamination, peanuts, gas chromatography, mass spectroscopy 6206.

Affatoxin G, food contamination, peanuts meals, com meals, detection methodology, comparison 7066. Aflatoxin G1,

Aspergillus parasiticus biosynthesis, herbal medicines effects on 5377. detection, food, screening methodology, Egypt 7064. AflatoxIn M1,

Itatoxin MT, chemical analyses, extraction, thin-layer chromatography, food contamination, nuts, grain 7108. determination, liquid chromatography, eggs, food contamination 8732. feeds contamination, levels, eggs, tissues, chickens 8727. food contamination, cow's milk 7892.

food contamination, cow's milk 7892.
Aflatoxin M2,
chemical analyses, extraction, thin-layer chromatography, food contamination,
nuts, grain 7108.
Aflatoxin Q1,
antibodies production, use enzyme-linked immunosorbent assay 3743.
Aspergillus, metabolism, liver, rats 223.

Aspergillus, meltaboiism, liver, rats 223.
Aflatoxins,
Ammonium hydroxide, effects on, extraction, cooking, peanuts, flour 3749,
analysis, thin-layer chromatography, comparison, liquid chromatography, food
contamination, peanuts 8731.
analysis, thin-layer chromatography, high-pressure liquid chromatography, fatty
acids fluorescence, grain, Zea mays 8726.
Aspergillus biosynthesis, in vitro, isolation, man food, animals feeds 7062.
Aspergillus flavus, despergillus parasticus, biosynthesis, factors affecting
7091.

7091.

Aspergillus flavus, detection, peanuts 1078.

Aspergillus flavus, detection, peanuts 1078.

Aspergillus flavus, dietary intake effects on, energy utilization, proteins utilization, ducks 3721.

Aspergillus flavus, food contamination, effects on proteins nutritive value, chickens 5352.

Aspergillus flavus, food contamination, levels, Prunus amygdalis, nuts 7101.

Aspergillus flavus, production, meals, soybeans, cottonseed 3746.

217.

218.

Aspergillus parasiticus, acetic acid incorporation, association antifungal agents

Aspergillus parasiticus.

217.
Aspergillus parasiticus, biosynthesis, seeds oils effects on 3747.
Aspergillus parasiticus, food contamination, Zea mays, Phaseoius, detection, use, chromatography methodology 7088.
Aspergillus, separation techniques, use, column chromatography 5374.
biosynthesis, accumulation, chickens feeds, storage conditions effects on 7094.
biosynthesis, Apergillus parasiticus, Aspergillus fiavus, lipid peroxidation 1077.

biosynthesis, Aspergillus, casein, substrates, isolation, milk, cattle, buffaloes 7078.

7078.

brosynthesis, Aspergillus, elements nutrient requirements 7068.
biosynthesis, Aspergillus flavus, antifungal activity, plant extracts, medicinal plants 7897.
biosynthesis, Aspergillus flavus, Aspergillus parasiticus, rice, cheddar cheese, temperature effects on 3703.
biosynthesis, Aspergillus flavus, m-bisulfite effects on 7076.
biosynthesis, Aspergillus flavus, Nicotiana tabacum leaves, storage conditions effects on 7092.
biosynthesis, Aspergillus flavus, nitrosoguanidine, acriflavin, diethylamine, induction mutation, effects on 7094.
biosynthesis, Aspergillus, flight, oxygen, sodium chloride, effects on 7071.
biosynthesis, Aspergillus, nutrient sources 7074.
biosynthesis, Aspergillus parasiticus, (actors affecting, in vitro 7067.

biosynthesis, Aspergillus parasiticus, factors affecting, in vitro 7067. biosynthesis, Aspergillus parasiticus, herbal medicines effects on 5377. biosynthesis, Aspergillus parasiticus spores injuries, sorbic acid, propionic acid, effects on 7042.

biosynthesis, association, nitrate, repression, averufin, Aspergillus parasiticus 220.

biosynthesis, caffeine inhibition, Aspergillus parasiticus 7040. biosynthesis, glucose effects on carbohydrates catabolism, Aspergillus parasiticus 8723.

biosynthesis, glucose effects on carbohydrates catabolism, Aspergillus parasitus 723. 
biosynthesis inhibition, Aspergillus parasiticus, caffeine role 218. 
biosynthesis inhibition, Aspergillus parasiticus, caffeine role 218. 
biosynthesis, Nicoliana tabacum leaves mycoffora, Iraq 7089. 
biosynthesis, Nicoliana tabacum leaves of the mycoffora of

Agaricus bisporus, (continued)
life cycle, lignocelluloses biodegradation 1879.
γ radiation, use, preservation, characterization 8716.
spoilage, monophenol monooxygenase activity, browning, citric acid effects on 3705. Afletoxins, (continued) food contamination, Gossypium hirsutum seeds meals, detoxification methodology 7091 food contamination, peanuts meals, corn meals, detection methodology, comparison 7066 37/05.

Agaricus brunnescens,
basidiospores, cryopreservation 8696.
breeding, heat tolerance selection 7868.
culture, outbreaks, Megaselia halterata 6278 food contamination, peanuts meals, decontamination methodology use methylamine+calcium hydroxide 7097. food contamination, production, grain, comparison, Zea mays, factors affecting 7052. pathogens, fungi, disease control, thiabendazole 8132.

Agaricus campestris,
biomass, single-cell protein, production, media (culture), peat hydrolysates 7092.
Tood contamination, reviews, historical account 7049.
food contamination, safety regulations, limitations, reviews 7065.
food contamination, screening, prevention, control association food processing, food contamination, screening, prevention, control association food processing, reviews 707. 
levels, Arachis hypogaea 7041. 
levels, Aspergillus flavus, Zea mays 6204. 
mycotoxicosis, association ingestion animals feeds, Yugoslavia 7048. 
cilis, seeds, Gossypium hirsutum 1932. 
production, Arachis hypogaea, disease resistance, Aspergillus flavus infection, 
cultivars comparison 7086. 
production, Aspergillus flavus, Aspergillus parasiticus, amino acids effects on calmodulin multiple forms, purification, characterization, U.V. spectroscopy Agaricus disporus, culture, Pakistan 7870. Cutture, Paisitan 7870.
Agarose,
hydrolysis, use, immobilized enzymes, proteins immobilization 2580.
immobilization, +Lens culinaris agglutinins, use, preparation, pseudorabies virus
vaccines 3182.
Agase fourcroydes,
crop residues, single-cell protein production, gram-negative bacteria 3415.
pulp, use production, polygalacturonase, pectinolytic enzymes, Aspergilius niger
5189. production, Aspergillus niger, association, Aspergillus flavus, com, factors affecting, inhibition 2756. production, Aspergillus parasiticus, antifungal activity, essential oils, spices Age, the lianthus annuus, association, susceptibility, stalk rot, Erwinia carotovora, 19A, North Dakota 2820. Isawa, effects on, Uromyces phaseoli infection, appressoria formation, plants 1964. production, Aspergillus parasiticus infection, Vigna unguiculata, Tanzania 3795. Holamus cajan diseases, crop production, economic importance 7139.

desase resistance plant breeding, Coyanus cajan 8899.

disease resistance plant breeding, Coyas sativa 8896.

disease resistance plant breeding, Oryza sativa 8896.

disease resistance plant breeding, Dryza sativa 8896.

disease resistance plant breeding, phytopathogenic fungi, Pennisetum americanum Age distribution,

biomass, mathematical models, fermentation 6129. disease resistance plant breeding. Zea mays 8895.
plant breeding, disease resistance, conferences, books 9349.
plant breeding, disease resistance, reviews 8892.
Africa swine fever virus,
antibodies detection, immunoperoxidase plaque assay methodology 634.
African swine fever, immunodiagnosis, indirect fluorescent antibody test, micromethods 1543.
African swine fever virus,
antipens comparison, enzyme-linked immunosorbent assay, immunodiagnosis 1542.
Ageratum, rantipens, detergents solubilization, inactivation, vaccines, immunity, pigs 1452.
artiviral activity, iodine disinfectants 1345.
growth, cell lines, Arthropoda, Bufo 1545.
structural proteins, purification, use enzyme-linked immunosorbent assay 1547.
Ager, Agelas, metabolites, antibacterial activity, antifungal activity 9133.

Agelasidine A,

Agelas, antifungal activity 9133. terial activity, Agelas, antifungal activity 9133. antibacterial activity, Agelas, antifungal activity 9133. bidens mottle virus infection susceptibility 3825. Ageratum houstonlanum, essential oils, toxicity, Microsporum gypseum 5505. absorption, bioassays, Bacteroides nodosus, pili, proteins, methodology 678. antigenemia diagnosis, Legionnaire's disease, man 1587. antigens, Rose Bengal plate test, Brucella abortus, immunodiagnosis, brucellosis 7589. structural proteins, purification, use enzyme-linked immunosorbent assay 18 Agair,
+antisera methodology, Legionella detection, Isolation 1620.
Congo red, measuring techniques, virulence, Yersinia enterocolitica 749.
cotrimoxazole containing, association, Streptococcus group A isolation 1686
fibrinogen, media, Staphylococcus aureus enumeration methodology, food
contamination 6183.
gelatin, media methodology, use, detection, anaerobic bacteria gelatinase 2
immobilization, tyrosine phenol-lyase activity, Citrobacter freundii 7656.
isolation, fruits, yeasts 9331.
media, comparison, anaerobic bacteria identification methodology 1644.
media (culture), fecal colforms, recovery, water 8415.
media (culture), brotooxidation, Campylobacter fetus 4210.
media, novobiocin susceptibility, Staphylococcus aureus 1422.
milk, media (isolation), Bacillus, spore germination, heat activation,
enumeration 1911. 7589.
bioassays, diagnosis, methodology, typhoid fever, Salmonella, man 667.
bioassays, virulence, Yersinia 6758.
Bradyhizobium japonicum, Glycine max lectins 3953.
Brucella, centrifugation effects on, clinical microbiology 699.
comparison coagulase test, Staphylococcus aureus, differential diagnosis 7586.
comparison, counter immunoelectrophoresis, Gram stain, diagnosis, meningitis,
Haemophilus influenzae type b, Streptococcus pneumoniae, man 327.
comparison counter immunoelectrophoresis, Streptococcus pneumoniae, man 527. 3312.
comparison, enzyme-linked immunosorbent assay, detection, Salmonella typhi, antigen Vi, use, diagnosis 663.
antigen Vi, use, diagnosis 663.
detection, bacterial antigens, cerebrospinal fluid, comparison counter immunoelectrophoresis 2483.
detection, Haemophilus influenzae antigens, lung, pigs 2520.
enterobacterial common antigen, Staphylococcus aureus, Escherichia colli, Salmonella minnesota, immunodiagnosis, infection 5911.
Haamophilus nelsympogunojas, aujma isinalate, use identification, sambroing milk, media (isolation), Bacillus, spore germination, heat activation, enumeration 1911.

organic acids production association autoclaves, effects on mycorrhizas spore germination 5934, precipitin test, infectious bursitis virus 8453. substitutes, gumes analysis 774.

+lea powders, inhibition, bacteria 7369.
Trichophyton, Trichophyton, soudanense identification methodology 1672. tubes, media (isolation), Salmonella 2503. yolk, media (culture), enumeration, Clostridium sporogenes, spores, methodology 1674. Haemophilus pleuropneumoniae, animal isolates, use, identification, serotyping identification, Brucella antigens 6759. identification, Corynebacterium sepedonicum, ring rot, diagnosis, Solanum tuberosum 8466. 874.
Ager diffusion test,
antibiotic sensitivity testing, measuring techniques, calipers 743.
Bacillus stearorthermophilus, cow's milk, penicillin detection 7437.
bacitracin antibacterial activity, differentiation, Staphylococcus, Micrococcus tuberosum 8466. identification. Streptococcus agalactiae 9311. immunodiagnosis, Chiamydia infection, sheep, goats 2504. immunodiagnosis, meningitis, Neisseria meningitidis, Streptococcus pneumoniae, Haemophilus 2488. identification Staphylococcus 700. lectins sides, Identification Staphylococcus 700. lectins sides, Neisseriacaea identification methodology 5042. Leptospira, diagnosis, leptospirosis 729. 2-marcaptoethanol, immunodiagnosis, Haemophilus pleuropneumoniae infection, pigs 7363. bacitracia artibacterial activity, differentiation, Staphylococcus, Micrococcus 1661.

effazidime antibacterial activity, Enferontiation, Staphylococcus, Micrococcus 1661.

effazidime antibacterial activity, Enferobacteriaceae 1392.

ceffazidime antibacterial activity, Enferobacteriaceae 1392.

comparison, dilution tests, bactericidal activity, azlocillin, ficarcillin, Pseudomonas aeruginosa 4361.

Fiesdam antibotics and activity, Staphylococcus intermedius, B-lactamase effects on 9157.

retronidazioe, bioassays, Clostridium perfringens 7365.

netilmicin, Pseudomonas aeruginosa 4865.

polymyxin, amikacin, Mycobacterium fortuitum, Mycobacterium chelonei, differentiation 1405.

quality control, amplicillin+subactam antibacterial activity 4834.

quality control, antimicrobial agents susceptibility 1379.

quality control, bacteria 4037.

Agar dilution test, antibiotic sensitivity testing, filamentous microorganisms, fungi 5763. antimicrobial agents antibacterial activity, Clostridium, animal isolates 3050. drug sensitivity testing, Filamentous microorganisms, fungi 5763. antimicrobial agents antibacterial activity, Clostridium, animal isolates 3050. drug sensitivity testing, Filamentous microorganisms, fungi 5763. antimicrobial agents antibacterial activity, Clostridium, animal isolates 3050. drug sensitivity testing, Filamentous microorganisms, fungi 5764.

Agaricus bisporte, mycella growth, carbon sources, Bacillus subtilis cell walls biodegradation 6151.

Agaricus bisporte, mycella growth, carbon sources, Bacillus subtilis cell walls biodegradation 6151.

Agaricus bisporte, mycella growth, carbon sources, Bacillus nutritis cell walls biodegradation 6151.

Agaricus bisporte, mycella growth, carbon sources, Bacillus nutritis cell walls biodegradation 6151.

Agaricus bisporte, mycella growth, carbon sources, Bacillus nutritis cell walls biodegradation 6151.

Agaricus bisporte, mycella growth, carbon sources, Bacillus nutritis cell walls biodegradation 6151.

Agaricus bisporte, mycella growth, carbon sources, Bacill roso. methodology, diagnosis, Mycoplasma gallisepticum infection, chickens 5078, methodology, Streptococcus antigens detection, blood culture 2460. Phadebact test, identification clinical isolates, Streptococcus pneumoniae 8485. protein A, detection antibodies, antigens, Yersinia pseudotuberculosis protein A, detection antibodies, antigens, Yersinia pseudofuberculosis subsp.pestis 5029.

protein A, detection antigens, arbovirus 4991.

serotyping methodology, Campylobacter fetus subsp.jejuni 725.
serotyping, Phadebact test, Haemophilus influenzae 5066.

sildes, comparison, fluorescent antibody test, Legionella clinical isolates identification 3301. identification 3301.
Staphylococcus aureus, detection, hepatitis B surface antigen, methodology 2443.
Streptococcus group A, antigens detection 1595.
Streptococcus group B, Phadebact test 752.
Streptococcus group C antigens identification methodology 2495.
tests, Haemophilus influenzae b polyribose phosphate antigens detection, body fluids, man 1594.
tests, Staphylococcus aureus identification, blood culture 1625.
use, Neisseria gonorrhoeae detection 3300.
use, Serratia marcescens identification methodology 1640.
adultnina, use, Serratia marcescens identification methodology 1040.
Agglutinia,
dairy products, staining, immunoassays, Streptococcus lactis 3718.
Lens culinaris, +agarces immobilization, use, preparation, pseudorabies virus
vaccines, pigs 3182.
Medicago sativa, nodulation, cell surface, Rhizobium mellioti, strains 5651.
Solanum tuberosum, interaction, lipopolysaccharides, extracellular
polysaccharides, Pseudomonas solanacearum 6285.

cultural characteristics, cross-breeding, plant breeding 8694. growth, lastanox T20 effects on 8259.

ging, champagne, Saccharomyces vini 4405. culture, effects on pathogenicity, Corynebacterium sepedonicum, ring rot, Solanum tuberosum 7999.

Phaseous vulgaris, effects on nitrogen fixation, Rhizobium 6361. gitation, gitation, gitation, effects on oleandomycin biosynthesis, Streptomyces antibioticus 2277. effects on oleandomycin biosynthesis, Streptomyces antibioticus 2277. effects on oleandomycin biosynthesis, sedimentation, yeasts 5548. gitation of proving sedimentation, years 5665. plant breeding, disease resistance, tropical environment, long-term effects 1177. spill microgranisms, nutrient cycles, reviews 5630. straw biodogalisms, nutrient cycles, reviews 5830. straw biodogalisms, nutrient cycles, reviews 2689. fallowing, dentifrification, rifficum aestivum 2988. nitrogen cycle, Denmark, reviews 2864. gentiffication, reviews, crop fields 5671.

gricultural practices, defending practices, crop fields 5671. disease control, Phaseolus vulgaris soil-borne diseases 1210. disease control, Phaseolus vulgaris soil-borne diseases 1180. disease control, plant diseases 1188. Glycine max, effects on pathogenesis, Sclerotinia sclerotiorum stem rot 1120. phytopathogenic fungi, host-pathogen interactions, roots, Triticum aestivum 3807. soil microorganisms, effects on 376. with resarium oxysporum f.sp.niveum, disease resistance, Citrullus lanatus 2848. gractutural products, affatoxins detection methodology, developing countries 216. gricultural wastes.

Suspurmyces 34/U.

pedinolytic enzymes production, Aspergillus niger 8605.
solid wastes, bark, composting 4099.
griculture,
Aspergillus flavus, fluorescence, fungl, aflatoxins, Zea mays, Gossypium hirsutum
4474.

developing countries, biotechnology 318. Irrigation, waste water sprays, coxsackievirus B5, seroepidemiology, occupational exposure, man 4096.

nitrogen fixation, microorganisms, crop fields 9345.

grobacterium,
adherence, virulence, plasmid pSa effects on 1966.
crown gall, Vitis virilera, epidemiology, Alghanistan 1151.
crown gall, Vitis virilera, epidemiology, Alghanistan 1151.
crown gall, Vitis virilera, ebiology 3848.
p-D-glucans structure 948.
p-D-glucans structure 948.
plant diseases, diagnosis 3760.
plant diseases, diagnosis, characterization 3778.
plant diseases, diagnosis, characterization 3778.
plant diseases, diagnosis, characterization 3778.
plant diseases, diagnosis, characterization 778.
plant diseases, diagnosis, characterization 3778.
plant diseases, diagnosis, characterization 378.
plant diseases, diagnosis, characterization 7881.
grobacterilum radiobacter, plant plan

2891.
grobacterium rhizogenas,
host specificity. Vitis vinifera 269.
transformation, Nicotiana tabacum roots tissue culture, effects on
susceptibility, infection, tobacco mosaic virus, potato virus Y 8076.
grobacterium tumefactens,
cell surface carbohydrates role, crown gall tumors induction, plants 8768.
crown gall, biobacies, Malus pumila, Rosa rugosa, host range, disease control
343. crown gall, biological control, Agrobacterium radiobacter, fruit trees, reviews

crown gall, biological control, Agrobacterium radiobacter, Prunus persica 334. crown gall, biological control, Agrobacterium radiobacter, Prunus persica, Prunus amygdalis 335. 333

amygualis 335.
crown gall, biological control, fruit trees 289.
crown gall, cell surface interaction, plant cells 8854.
crown gall, disease control, biological control, conferences 848.
crown gall, disease control, salicylic acid, acetylsalicylic acid, Nicotiana tabacum 7217.

tabacum 7217.

crown gall, disease control, sewage sludge, soil amendment, Rubus 310.

crown gall, disease resistance, screening, plant breeding, inheritance, Vitis amurensis Vitis vinifera 890s.

crown gall, fruit trees, British Isles 268.

crown gall, Nicotians et British Isles 268.

crown gall, Nicotians et British Gall (Septiment 1998).

6278.

6278.

6278.

6278.

6278.

6278.

6278.

6278.

6278.

6278.

6278.

6278.

6278.

6278.

6278.

6278.

6278.

6278.

6278.

6274.
disease crown gall, plants, opines utilization 7131.
crown gall, plants, silver nitrate staining turnors 4534.
crown gall, streptomycin, CGA 78039, rootstocks, Malus pumila 342.
crown gall, treeses, characterization 5583.
crown gall turnors, asparaginopine, glutaminopine, isolation 2810.
crown gall turnors, incloie-3-acetic acid treatment, Solanum tuberosum tubers 8874. Albumin, crown gall, Vitts vinifera 279.

gulucose, galactose, polysaccharides biosynthesis, role lipids 6886. nodules formation, gene expression, nod gene, Ti plasmid vectors 6366. plasmid pTiAg63, plasmid pTiA6, induction, turnors, comparison, host range 8866.

Agrobacterlum tumefaciens, (continued) serotyping, crown gall, rootstocks, Malus pumila 270 Ti plasmid, opines mediation gene transfer, crown gall, host plants 235. Ti plasmid tumorigenesis Solanum nigrum 2819. Agroforestry, Frankia, inoculation, nodulation, actinorrhizas, Casuarina 8149. nitogen-fixing bacteria inoculation, rhizosphere 2910. temperate environments, nitrogen fixation, actinorrhizas, reviews 2915.

Agropyron, disease resistance, infection, barley yellow dwarf virus, wheat streak mosaic virus, genetic control 8089.

Agropyron elongatum, disease resistance, stem rust, Puccinia graminis f.sp.tritici, recombination, transfer, Triticum aestivum 314.

Agropyron amithili, symbiosis, Glomus, effects on water relations 6342.

Agrostis,
blight, Pythium aphanidermatum, disease control, metalaxyl, propamocarb, efosite-Al 8134. diosite-A. 8134.
 Agroatia palustria,
 pathogencity, Rhizoctonia cerealis, USA, North Carolina 3802.
 Rhizoctonia solani brown patch, Rhizoctonia biological control 6308.
 Agrostia segetum,
 granulosis virus, biological control, Pakistan 6079.

Agrotis ipalion,
biological control, toxicity, δ-endotoxin, Bacillus thuringiensis 5247.

cricultural products, affatoxins detection methodology, developing countries 216. gricultural wastes, cocos nucifera, +cattle animal wastes, methane production 1487. Cocos nucifera, +cattle animal wastes, methane production 1487. composting, developing countries 4097. digestion (anaerobic), pathogens reduction, Fusarium oxysporum, Corynebacterium Alr circulation, airborne bacteriu, hermophilic microorganisms, use, cultivation, Agaricus bisporus 8498. linguacelluloses, carbon sources, endo-1,3-β-D-glucanase production, Streptomyces 3470. St

Air pollution, odor control, trickling filters, use, microorganisms 3200.

Air spora,
Aspergillus furnigatus, recovery, sewage sludge composting 3213.
fungi, hospitals 5864.
molds, levels, wood processing 8195.
samplers, epidemiology, plant diseases 804.
Streptomyces, preservation, liquid culture methodology 3292.

Airborne bacteria,
abatoris 1504.
air circulation, operating theaters 4139.
postoperative infection, role communication, operating theaters, man 4960.

Airborne microorganisms,
analysis, trains bathrooms 579.
bacteria, dispersal, waste water irrigation 1458.
counting methods 9271.
disease transmission, plant diseases, conferences 6797.
tungi, sampling, measuring techniques, incidence, reviews 803.
housing, cattle 6722.
levels, medical personnel physical activity effects on, operating theaters 6720.
pathogens, wastewater treatment 3186.
survival, Sircoccus clavigignenti-juglandacearum conidia, Juglans cinerea canker

Heterobasidion annosum, basidiospores deposition, epidemiology, forests, Tsuga heterophylla 9944. **Akrobomycin**, production, isolation, characterization, Actinomadura roseoviolacea 3541.

production, isolation, organizenzation, Administratura to Alamethicin, I.R. spectroscopy, X-ray diffraction 3140. Alangium solvifolium, Microdiplodia perpusila infection 8017.

L-Alanine

L-Alanine, ammonium fumarate conversion, immobilized cells, Escherichia coli, Pseudomonas dacunhae 7. biosythesis, aspartate 4-decarboxylase activity, Pseudomonas dacunhae, polyurethane immobilization 8525. synthesis, use enzymes bioracators 4261.

D-Alanine ammlortansferase, activity, β-cyano-D-alanine inactivation, temperature role, Bacillus sphaericus 7717.

Alanine carboxypeptidase, zinc containing, active sites inhibition, heavy metals, β-lactam antibiotics, Streptomyces albus 5985.

L-Alanosine, growth regulators, Streptomyces, production, inhibition, molting, larvae, Leucania separata 7774.

Leucania separata 7774.

Alantolacton,
antifungal activity 5742.

D-Alanyl-carboxypeptidase-transpeptidase,
X-ray crystaliography, B-lactam antibiotics binding, Streptomyces 3457.

L-Alanyl-L-naminoethylphosphonic acti,
+nocardicin A, antibiotic synergism, antibacterial activity, Pseudomonas
aeruginosa 6554.

Beta vulgaris, plant diseases, beet mosaic virus, etiology 6258.

Albinism,
Alternaria tenuis, Citrus seedlings, disease control, fungicides 1219.

Albugo candida, disease resistance, white rust, association inheritance Ac7 locus, Brassica napus

white rust, Raphanus sativus, disease control, mancozeb 2902

Albumen, bactericidal activity, gram-positive bacteria, gram-negative bacteria, temperature, pH effects on, eggs, 4010

Ioumin, hydrolysis, proteinase, Aspergillus awamori 6016. hydrolysis, proteinase, immobilizad enzymes, Aspergillus awamori 4341. polymers, hepatitis B surface antigen receptors, role liver organotropism, use vaccines production, man, Pan troglodytes 7481.

Alcaligenes,
biodegradation, aromatic compounds + halogens, mechanisms, reviews 7826.
biodegradation, nutrient sources, N-(phosphonomethyl)glycine 8684.
cholrophenol biodegradation, wastewater treatment 182.
choline oxidase, U.V. radiation, photoreduction, flavosequinone formation 891.
dentrification, nitrogen cycle, soil, reviews 4655.
fermentation enzymes comparison, Nocardia opaca, Xanthobacter autotrophicus 150.
isolation, mizosphere, Oryza sativa, nitrogen fixation 5653.
monosodium methanearsonate, metabolism, conversion 1284.
PCB biodegradation, reviews 7827.
proteolytic enzymes, dairy products isolates 1057.
reactors, cutting fluids biodegradation, bacteria identification 178.
+ Streptomyces plicatus mixed culture, nitrosofungin biosynthesis, isolation, antifungal activity 2297. adjulass, among de la constitución de la constituci 2183 marine environment, association, antibacterial activity, penicillinase inhibition, effects on, Staphylococcus aureus, Escherichia coli 8305. Algin, +calcium, Zymomonas mobilis immobilized cells, ethanol production 2675. Alginate Iyase, Bacillus circulans, purification, characterization 3518, marine microorganisms, isolation, characterization 3503. marine microorganisms, Isolation, characterization 3033.

Alglinic acid,

Jaiglinic acid, immobitized cells, hydrogenase, wastewater treatment, tritiated water, nuclear power plants 554.

Alcaligenes eutrophus, biodegradation enzymes, phenot, toluic acid, p-cresol 4422. chemostats, growth kinetics 9302. It cells, electron transfer, redox potential mediators 5243. hydrogen dehydrogenase purification, hydrophobic chromatography methodology 5144 phosphoribulokinase quaternary structure, cross-linking use 6840. poly-β-hydroxybutyrate intracellular levels, flow cytometry, monitoring, fermentation 9295.

Aceligenes fescalis, adenosylhomocysteinase, use, S-adenosylhomocysteinase, use, S-adenosylhomocysteinase, cytochrome c556, N.M.R. 3439. cytochrome c556, N.M.R. 8420. dentiffication, wastewater treatment, industrial effluents 8406. immobilized cells, β-D-glucosidase activity, role cellulose biodegradation 5190. httriying bacteria, nitrification, denitrification, soil 3966. Alliphatic sicohols,
4. effects on oxygen consumption, activated sludge, wastewater treatment 6675. A effects on oxygen consumption, activated sludge, wastewater treatment 66 Allphatic amines, antiviral activity, herpes simplex virus 1, effects on syncytia formation 4776. Alka-2,4-dlenal, antifungal activity 6305. Alkaline phosphatase, binding sites, N.M.R., crystallography, Escherichia coli 2587. detection, use, identification, Rhizobium leguminosarum var.trifolii 9298. immobilized enzymes, methodology 3467. inhibitors production, Aspergillus, Penicillium 917. kinetics, computer programs, use, Escherichia coli 2624. Lysobacter enzymogenes, purification, characterization 3519. production, Thermus ruber 6881. purification, characterization, Neurospora crassa 7696. purification, kinetics, Capnocytophaga ochracea 2568. Alkallnity. S) 90.
 Antirification, denitrification, soil 3966.
 polysaccharides, production, batch culture, continuous culture 2629.
 polysaccharides, production, characterization 1836.
 Alcaligeries Tecesals var. myzogenes,
 p-glucans, batch culture, continuous culture, industrial applications 8621. purification, kinetics, Capnocytophaga ochracea 2568.

Alkalinity,
monitoring, digestion (anaerobic), sewage sludge 1477. Alkalis, Hordeum vulgare straw pretreatment, effects on bacteria fermentation 10 Alkaloide, antifungal activity, leaves, Solanum aviculare 8307. Aspidosperma excelsum, antibacterial activity 5730. biosynthesis, Claviceps, phosphate role 3754. chemical properties, biological properties, reviews 4241. ergot, biosynthesis, characterization, Aspergillus tamarii 5254. ergot, detection, grain, flour, use, liquid chromatography 7050. ergot, Hypomyces aurantius, biosynthesis, new records 4384. ergot, production, biotechnology, reviews, rungi 4379. ergot, production, biotechnology, reviews, rungi 4379. ergot, production, beaccystin, isolation, high-performance liquid chromatography, Psilocybe 3751. Alkalophilic bacteria, cyclomatlodextrin glucanotransferase production 7679. Hordeum vulgare straw pretreatment, effects on bacteria fermentation 1045. concentration relationship, mirin biosynthesis, enzymes preparations efficacy 992. Alcohol chloroacetates enantiomers, hydrolysis, Trichoderma koningii 2709.

Alcohol dehydrogenase, activity, cali permeability, continuous culture, Saccharomyces cerevisiae 3592. activity, dairy starters, Streptococcus lactis 2576. activity, ethanol production, malic acid conversion, Saccharomyces cerevisiae 4409. activity, measuring techniques, Acetobacter aceti 5112.

Adh1 gene, mutation, barley stripe mosaic virus infection, nucleotide sequence,
Zea mays 7152.

anaerobic conditions, glycolysis, aeration effects on, Leuconostoc mesenteroides 854.

deficient mutant, production, glycerol, ethanol, Saccharomyces cerevisiae 3642.
dye-linked, purification, characterization substrate specificity,
Rhodopseudomonas acidophia 1776.
electrophoresis, ethanol contamination, yeasts 7687.
ethanol utilization, Escherichia coil 5972.
heavy metals inhibition, mechanisms, pH effects on, yeasts 7686.
immobilized enzymes, stability, yeasts 4351.
immobilized enzymes, stability, yeasts 4351.
immobilized enzymes, yeasts 1768.
Pseudomonas putida, use, alcohols determination methodology 29.
surfactants biodegradation 189.
Alcohol dehydrogensee (MAD(P)\*),
purification, characterization, aromatic compounds biodegradation,
Rhodopseudomonas acidophila 7692.
Alcohol cxidase,
Hansenula polymorpha, preparation, alcohols colorimetry applications 3446. Alkalopnilic bacteria,
cyclomaltodextrin glucanotransferase production 7679.
proteinase 8613.
Alkanal monoxygenase (FMN-linked),
AITP bioassays, methicillin, antibacterial activity, Staphylococcus aureus 4069.
+7a-hydroxysteroid dehydrogenase+NAD(P)H dehydrogenase (FMN), immobilize
enzymes, determination bile, serum 5131.
immobilized enzymes, -dhilydroipoanamide dehydrogenase+3a-hydroxysteroid
dehydrogenase, bioluminescence bioassays, bile acids measuring techniques 348/ Aikanes, biodegradation, metabolism, reviews, microorganisms 8280. biodegradation, plasmids, genetic analysis, reviews, hydrocarbon-degrading \_bacteria 8284. Alcohol cxidase,
Hansenula polymorpha, preparation, alcohols colorimetry applications 3446.
polyvinyl alcohol biodegradation, Pseudomonas 2710.
Alcoholic beverages,
fermentation, yeasts, lactic acid bacteria 5273.
mezcal, wort fermentation, Saccharomyces cerevisiae 1862.
tapache, fermentation, Pichia membranaefaciens, Saccharomyces cerevisiae 1898.
Alcohols,
oplorimetry, applications, Microsofticae, Microsof biodegradation, marine environment isolates, Penicillium, yeasts 7310.
Candida lipolytica emulsification 9039.
Lodderomyces metabolism, induction, respiratory enzymes, mitochondria 7307.
metabolism, solubilization, methanol, ethanol, sorbitol oleate, Candida
lipolytica 1307. | highly are | hig colorimetry, applications, Hansenula polymorpha alcohol oxidase, preparation determination methodology, Pseudomonas putida alcohol dehydrogenase use 29. disinfection 1509. 3-Alkylarylalkyl-5-(2,4-dichlorophenyl)-1,3,4-oxadiazole-2-thione, derivatives, antifungal activity, Curvularia verruciformis, Alternaria tenuis 5521. usinitearum rouge, and support of the support of th n-Aikylcycloalkanes, 854 alicyclic ring, biodegradation, reviews 8277.

Alkylmorpholines,
derivatives, antifungal activity 457. induction, purification, characterization, Escherichia coli 4280. purification, characterization, reconstitution, membrane proteins, Acinetobacter calcoacticus 4296. Aldehydes, Lerpenoids, phytoalexins, Gossypium barbadense, accumulation association Verticillium dahliae wilt 2824. 3-{(Alkyithio)methyl)quinoxaline 1-oxide, dervatives, antibacterial activity, Treponema hyodysenteriae 4741. 2-Alkythiocarbapen-2-em-3-carboxylate, symfnesis, 6-lactam antibiotics analogs 3117. Alkythiomethyl-isochinolinium chloride, antimicrobial activity, spores, fungi, bacteria 9135. antimicrobial activity, soll microorganisms 1325. disease control, Pythium, dieback, Daucus carota 8116. Aldosterone, derivatives production, Clostridium paraputrificum 5197.

Aleyrodidae. antimicrobial activity, spores; turge; oceanium hysterophorus 8987.

Allelopathy,
inhibition nodulation, Indigofera linnaei, Parthenium hysterophorus 8987.

Juglans, Rhizobium, Frankia, nitrogen fixation 3959.

role soil microorganisms, phytotoxins, soil ferbility, crops 4636.

soil microorganisms, Fusarium, Asparagus officinalis 3831.

Triticum aestivum, aromatic compounds effects on, Pseudomonas, Synecephalastru racemosus degradation effects on 373. vectors, mung bean yellow mosaic virus, chemical control, insecticides, Vigna radiata 2055. vectors, yellow mosaic virus, plant diseases, Phaseolus aureus, disease control 3878. 3978.
Alfalfa mosalc virus,
enzyme-linked immunosorbent assay detection 7927.
infection, Lycopersicon esculentum, disease resistance 309.
lesions, leaves, Phaseolus vulgaris, Vigna sinensis, Nicotiana tabacum 8857.
plant diseases, Vicia faba, Allette effects on Vicia faba 4591. Allergens, extracts, Aspergillus, contamination, aflatoxin B1 8722. extracts, Aspergillus, contamination, aflatoxin B1 3732. Allergic alveolitis, Cytophaga endotoxins, humidifiers, textile industry, man 1944. gram-negative bacteria endotoxins, humidifiers, man 1943.

Algacidin B,

algicides, antifungal activity, antibacterial activity 3136.

Algacidin A,

algicides, antifungal activity, antibacterial activity 3136

## Application of the process of the Uterruene,
Alternaria alternata biosynthesis, water activity, temperature effects on, wheat

thermarithera philoxeroides, herbal medicines, antiviral activity, cell culture, influenza A virus, influenza B virus, Sendai virus 7392.

numinum,
effects on Rhizobium leguminosarum var.trifolii inoculation, nodulation,
Trifolium repens 7278.
reactors, liquids, Pseudomonas fluorescens fouling organisms, films formation

surfaces, disinfectants antibacterial activity, Pseudomonas aeruginosa 5862

Aluminum, (continued) toxicity, Rhizobium leguminosarum var.trifolii, nodulation, soils (acid), trifolium repens 7279. Aluminum oxide,

Aluminum oxide, immobilization, subtilisin, Bacillus subtilis 7734. Aluminum phosphete, solubilization, Pseudomonas striata, Aspergillus awamori, soil 6350. Hilization, soil microorganisms, phosphorus sources 2151. Aluminum sulfate,

reatment, eutrophic environments, lakes, role, removal, inactivation, fecal colforms, Streptococcus 9252.

Ayelcarpus monilifer, Uromyces alysicarpi rust, India 2036.

Amanita,

n, pure culture, methodology, nutrient requirements, reviews 829.

Amanita muscaria, seedlings inoculation, roots colonization, spatial distribution, soil, Betula

5556.

Amanita phalloidea, amatoxins, phallotoxins, reviews 2759, anatoxins, phallotoxins, reviews 2759, antamanide analogs, radioactive labelling, peptide synthesis 7664, mushroom poisoning, man 2735, phalloidin, thiosetser cores-linking, conformation, N.M.R., C.D. 3755.

Amanita suballicea, aramatini, phalloidin, fluorimetry 5386.

Amanita virosa, toxins, peptide synthesis, biological activity 7906. α-Amanitin,

cr-Amanittin, fluorimetry, Amanita suballicea 5386.
Amantadine, foliar applications, effects on cowpea chlorotic mottle virus infectivity, symptoms, Vigna unguiculata 3903.
Amaranthue palmeri, latent infection, Euphorbia lathyris, weeds, USA, Arizona 8044.

Amatoxins.

Amatoxins,
reviews 2759.
Amaba,
population dynamics, humus enrichment, fungi effects on 4629,
population dynamics, suppression, take-ail, Triticum aestivum 1173.
Amartcan hop latent virue,
incidence, Humulus lupulus, Germany, Fed. Rep. 6260.

incidence, Humulus lupulus, Germany, Fed. Hep. 6260.
Amea test,
data, Salmonella genetic drift, colonies, strains variance effects on 7597.
mutagenicity, industrial effluents, pulp mills, paper mills, removal, wastewater
'reatment 490;
mutagenicity lesting, aflatoxin B1 3738.
Salmonella typhimurium, plasmid prkM101, effects on, DNA repair 3328.
Salmonella typhimurium strains, genetic drift 5914,
variability, Salmonella hyphimurium strains, genetic drift, analysis 5915.
variability, Salmonella hyphimurium strains, genetic drift, statistical analysis
5916. 5916

Amidase

acetoritrile biodegradation, Brevibacterium 3665. isolation, characterization, Erwinia cardovora 1756. nitriles conversion, organic acids production, factors affecting, Brevibacterium

4271.
Amidea,
3-(5-nitro-2-furyt)acrylic acid, antimicrobial activity 6488.

Amilfioxacin, antibacterial activity, Pseudomonas aeruginosa 7377.

Amilfloxacin, antibacterial activity, Pseudomonas aeruginosa 7377.

Amikacin, agar diffusion test, Mycobacterium fortuitum, Mycobacterium chelonei, differentiation 1405. antibacterial activity, clinical isolates 7444. antibiotic resistance, cross-resistance, cefotaxime, clinical isolates, Serratia marcescens 4887. antibiotic sensitivity testing, AutoMicrobic test, Pseudomonas aeruginosa 5778, antibiotic sensitivity testing, disc-diffusion test, Pseudomonas aeruginosa, statistical analysis 479. antibiotic sensitivity testing, Proteus penneri 9162. antibiotic sensitivity testing, Pseudomonas aeruginosa, Pseudomonas aeruginosa, statistical analysis 479. antibiotic sensitivity testing, Pseudomonas aeruginosa, Pseudononas aeruginosa, ostatistical analysis 479. antibiotic synergism, aztreonam, piperacillin, iticarcillin, antibiotic synergism, cotrimoxazole, cefotaxime, Necardia asteroides 480. antibiotic synergism, cotrimoxazole, cefotaxime, Nocardia asteroides 480. antibiotic synergism, chromimidoly thienamycin, antibacterial activity, Streptococcus faecalis, Streptococcus faecium 4811. ± aztreonam, ± cefoperazone, serum bactericidal activity, Escherichia coli, Klebsiella pneumoniae, Serratia marcescens, Pseudomonas aeruginosa 8344. + aztreonam, antibacterial activity, geran-negative bacilii 3156. bactericidal activity, cephalosporins, enhancement, Enterobacteriaceae, clinical isolates 6513.

bactericidal activity, cephalosporins, enhancement, Enterobacteriaceat solates 6513.

comparison, antibiotic K-4619, antibacterial activity 7479.
+β-lactam antibiotics, antibiotic synergism, antibacterial activity 1391.
+β-lactam antibiotics, antibiotic synergism, antibacterial activity, Enterobacteriaceae 9165.
+mezlocillin, antibacterial activity, bactericidal activity, antibiotic antagonism, antibiotic synergism 7412.

Amine dehydrogenase, purification, characterization, methylotrophic bacteria 3514.

Amines.

Amines, amboacterial activity 6468.
detection, meat products quality, bacteria food contamination 6196.
levels, milk, lactic acid bacteria, dairy starters 6962.
measuring techniques, fluorometry, veasts, bacteria, biotechnology 7556.
Amine acid composition, asparaginase, Escherichia coli 4322.
bagasse hydrolysates, use, carbon sources, fermentation 8677.
cytochrome c, Ustilago 8698.e, 2-oxisovalerate dehydrogenase, subunits, Pseudomonas putda, companison Escherichia coli 6831.
gas chromatography, media (culture) 6733.
homogenetty, enterotoxins, Escherichia coli 6212.
iturn A, Bacillus subtilis 2301.
meals, soybeans+com, fermentation effects on, lactic acid bacteria 5357.
media (culture) 1536.

Amino acid composition, (continued)
neurotoxins, Clostridium botulinum 7909.
phytotoxins, Pseudomonas syringae pv.phaseolicola 1940.
Pisum salivum, plant diseases, cucumber mosaic virus, bean yellow mosaic virus

single-cell protein, Fusarium oxysporum f.sp.lini, food industry, industrial

single-ceil protein, Fusarium oxysporum f.sp.lini, food industry, industrial wastes 1729.
single-ceil protein, thermophilic lungi 860.
single-ceil protein, whey fermentation, yeasts 1722.
Vigna unquiculata leaves, Myrothecium roridum infection 1977.
Amino acid decarboxylase,
detection, methodology, bacteria 772.
Amino acid sequence,
ADP-ribosyl transferase, biosynthesis, comparison, Escherichia coli, Vibrio
cholerae 7120.
ancovenin, isolation, actinomycetes 2290.
sparatae aminotransferase, Escherichia coli, comparison, pigs 6843.
calmodulin, structure-activity relationships, Dictyostelium discoideum comparison
cattle 5992.

came 5992.
cellulase, exo-cellobiohydrolase, homology, Trichoderma reesei 3509.
cellulase, purification, Schizophyllum commune, characterization 7728.
cytochrome c oxidase, Paracoccus denitrificans, homology mitochondria 897.
cytochrome P-450, putidaredoxin, camphor 5-monooxygenase, Pseudomonas putida
6000.

determination, use Lysobacter enzymogenes proteinase 939.

sxo-1,4-a-D-glucosidase, Aspergillus niger 5990.

sxo-1,4-a-D-glucosidase, Aspergillus niger 724.

standard of the standard of the

N-terminus, asparaginase, Escherichia coli 4322. toxins, nucleotide sequence, genes, Corynebacterium diphtheriae 7119. Vibrio cholerae toxins A1-subunit ADP-ribosylation sites 1085.

Amino acida.

mino acios, antifungal activity, Trichophyton mentagrophytes, microsporum gypseum 9106. biosynthesis, Flavobacterium aminogenes 3438, biosynthesis, gene regulation, microorganisms 3371. carbon sources, tylactone, biosynthesis, Streptomyces fradiae 3162. effects on, Aspegrillus favus, Aspegrillus parastiticus, growth, affatoxins

effects on, Propionibacterium shermanii, Propionibacterium, cyanocobalamin, biosynthesis 146.

olosynthesis 146.
excretion, soil, Azotobacter vinelandii 1266.
hemolymph, pathogens effects on, larvae, Spodoptera littoralis, Bacillus thrurngiensis 6912.
isotopes, radioactive labelling, use L-methionine γ-lyase, Pseudomonas putida 4311.

4311. levels, association, pathogenesis, papaya leaf reduction virus plant diseases, Carica papaya 8812. nutrient requirements, bacitracin biosynthesis, Bacillus licheniformis 1403. nutrient requirements, media (culture), Bacillus thuringiensis subsp.galleriae

7603

7603.

nutrient sources, Aspergilius aflatoxins biosynthesis, mycelia growth 7074.

overproduction, mutants, transformation, Brevibacterium lactofermentum 5116.

precursors, antibiotic TA biosynthesis, Myxococcus xanthus 1421.

production, use hydrocarbons, methane, metabolism, methylotrophic bacteria 5706.

proteinase biosynthesis, effects on, Bacillus thuringiensis 918.

proteinase biosynthesis, effects on, Bacillus thuringiensis 6029.

Saccharomyces cerevisiae auxotrophs, phenethyl alcohol sensitivity 3062.

sulfur, selenium containing, 1-methionine y-lyase synthesis, Pseudomonas

putida 65. N-terminus, synthesis use, nikkomycin peptide synthesis, Streptomyces tendae

inhibition, β-lactam antibiotics antibacterial activity, Escherichia coli 9064. Amino groups,

Amino grcups,
antibacterial agents effects on, bacteria 9094.
5-Amino-2, 5-dideoxy-5-idoduridine,
derivatives, antiviral activity, herpes simplex virus 1 4025.
Amino-acid racemase,
kinetics, 5-(N-methythilocarbamoyl)-D,L-cysteine inactivation, Pseudomonas putida

5151.

8-Amino-2-carbonylamino acids, antimicrobial activity 9142.

4-Amino-3-Chitoro-2-pentenediolc acid, production, isolation, Streptomyces, characterization 6562.

3-Amino-5-hydroxybenzoic acid, association, acidamycin biosynthesis, Streptomyces 1444.

synthesis 7427.

Amino-acyl-tRNA synthetase, sedimentation, yeasts 1801.

Aminoacyl-tRNA synthetase,

Seumentation, years 100 Minimobilized enzymes, stability, kinetics 80. 6-L-o-Aminobalpoyl)-L-oysteinyl-N-hydroxy-D-valine, Cephalosporium acremonium conversion 5777. 2-Aminobenzoate,

biodegradation, anaerobic conditions, denitrifying bacteria 6172.

-α-Aminocaprolactam hydrolase, activity, detection methodology, Cryptococcus 6822. activity, Ivenie production, Cryptococcus 6034. Aminocyclitol phosphotransferase, gene mapping, plasmids, antibiotic resistance, hygromycin B, Escherichia coli 427. gene mapping, plasmids, antibiotic resistance, hygromycin B, Escherichia coli 427.

7-Aminodesacetoxy-csphaloaporinic acid, production, Escherichia coli, immobilized cells 506.

2-(1'-Aminoethyl)-blcyclo(2,2,1)heptane chlorohydrate, antiviral activity, influenza A virus resistance development 4701.

Aminoglycoside 2'-O-nucelotidyttransferase, activity, relationship, aminoglycoside antibiotics, antibiotic resistance, Escherichia coli 3028.

Aminoglycoside acetyttransferase, correlation, antibiotic resistance, aminoglycoside antibiotics, Mycobacterium tortutium 7342.

Aminoglycoside acetyttransferase, correlation, antibiotic resistance, antibacterial activity, books 8498. antibacterial activity, books 8498. antibacterial activity, determination, counting methods 2239. antibacterial activity determination, counting methods 2239. antibacterial activity, ipids, potentiation, Streptococcus mutans 9181. antibacterial activity, Pseudomoras aeruganosa 7403. antibiotic artiagonism, artibiotic synergism, β-lactam antibiotics, bacteriotida lactivity, Pseudomoras aeruganosa 7403. antibiotic artiagonism, artibiotic synergism, β-lactam antibiotics, bacteria 7479.

antibiotic resistance, actionmycetes 3022. ambiotic Nestors, ambioaterial activity, gram-legative bacteria, gram-positive bacteria 7472, ambibiotic resistance, actionmycetes 3022-ambibiotic resistance, bacteria, reviews 9051, activities of the second seco postoperative interación 3107.
antibioto sensitivity testing, inoculum size effects on, Neisseria gonorrhoeae 7426.
antibioto synergism, β-lactam antibiotics, antibiotic sensitivity testing, Pseudomonas aeruginosa 7417.
antibioto synergism, cofotaxime, Streptococcus 1382.
biosynthesis, actionyosetes, ambibotic resistance relationship 3016.
chemical modification, kanamycin 6-acetyltransferase activity, Escherichia coli antibiotic resistance correlation 5714.
dilution tests, Pseudomonas aeruginosa 1408.
hibitotion DNA biosynthesis initiation, mechanisms, Escherichia coli 7488.
+β-lactam arribiotics, arribiotic syrengism, Pseudomonas aeruginosa 4807.
measurements, photometry 7464.
Methanococcus vannielli ribosomes sensitivity 2237.
outer membranes interaction, Pseudomonas aeruginosa 9176.
production, genetic engineering, actinomycetes 5759.
3-Aminolmidazolo(4,5-c]rifamyclin,
derivatives, synthesis, antimycobacterial agents 2274.
4-Aminoleavulinate synthase,
mediation, betaine, stimulation, cyanocobalamin, biosynthesis, Pseudomonas dentrificans 6094.
5-Aminopenicillantic acid,
Enterobacter cloacae, β-lactamase inhibition 2263.
production, benzylepricilin deacylation, penicillin amidase activity,
bioreactors 6531.
production, Penicillium chrysogenum 4050.
5-Aminopenicillantic acid-acytransferase,
Penicillium chrysogenum, purification, biosynthesis, penicillin Q, penicillin V
3490.

Ammonia,

2696.

2090.

April 2000 preservation, spoilage, bacteria, fungi, corn 7025.

Saccharum officinale fermentation, yeasts, Lactobacillus, effects on 2754.

treatment, straw, biodegradation 6953.

volatilization, urease inhibitors, fertilizer applications 1285.

waste water, chemical analysis, electrodes, immobilized cells 768.

3490.

Aminopotidase,
assays, identification, gram-positive bacteria, gram-negative bacteria 7576.
biosynthesis, measurements, biological activity, activated studge 4094.
purification, characterization, Mycoplasma sallivarium 5996.
purification, methodology, Bacilius thuringiensis, Aspergillus oryzae 5136.
Aminopotidase (cytosof), koji, assays, use L-glutamate oxidase, Aspergillus oryzae 7853.
Aminopotidase (microsomai), activity, aspergillomarasmine A, aspergillomarasmine B inhibition, Aspergillus oryzae 3734.
Aminopotinytimercury acetate,
preservatives, prevention, biodegradation, cellulose, soil microorganisms 7302. ummonla, biosynthesis, Pseudomonas fluorescens growth, nitrogen sources, cyanide biodegradation 1877. disease control, Phymatotrichum omnivorum, root rot, Gossypium hirsutum 5523. electrodes, Nitrosomonas, Nitrobacter, immobilized cells 767. + heat, decontamination, affatoxin 81, com 7889, heterocyclic derivatives, DNA binding, inhibition, phage λ replication, Escherichia coli 4030. preservation, fermentation, com silage 2744. pretreatment, effects on fermentation, 2 ae mays silage 4467. pretreatment, straw, biodegradation, Chaetomium cellulolyticum, liquid culture 2696.

Ammonification, iprodione effects on, soil microorganisms 1286, nitrification, reactors, wastewater treatment 2354.

Ammonifying bacteria, disinfection efficacy, detection methodology, use filter paper 7542. mmonium, association, glass, use, disinfection, water 7527. 
effects on chloramphenicol biosynthesis, Streptomyces venezuelae 8355, 
effects on chloramphenicol biosynthesis, Streptomyces venezuelae 8355, 
effects on chloramphenicol biosynthesis, Streptomyces venezuelae 8355, 
effectilizer applications, stimulation phosphate, nutrient uptake, ectomycorrhizas, 
Pseudotsuga menziesi 5574, 
industrial effluents, toxicity, methanogenic bacteria, digestion (anaerobic) 6383.
salts, heptacain, antibacterial activity, Staphylococcus aureus 7541.
stimulation fermentation, ethanol production, Saccharomyces cerevisiae 3626.
stimulation fermentation, ubiquinone production, Agrobacterium 7681.
Ammonium bicarbonate,
comparison, carbon dioxide, use, Transgrow media, Neisseria gonorrhoeae isolation
3288. 269.
Ammonium chloride,
inhibition, methanogenesis, digestion (anaerobic) 6693.
Ammonium fumarate,
conversion I-alarinie, immobilized cells, Escherichia coli, Pseudomonas dacunhae Ammonlum hydroxide,
Ammonlum hydroxide,
detoxification methodology, aflatoxins, food contamination, Gossypium hirsutum
seeds meals 7081
effects on, extraction, cooking, aflatoxins, peanuts, flour 3749.
Ammonlum nitrate,
effects on nitrogen fixation, Rhizobium leguminosarum 5654.
Ammonlum phosphate,
effects on yeasts growth, association wine 7869.
Ammonlum aultate,
fertilizer applications, organic matter accumulation, soil microorganisms
activity, soil structure, pasture 5640.
nitrogen sources, nutrient uptake, vesicular-arbuscular mycomhizas effects on,
Sorghum bicolor 8215.
Ammonlum tartrate,
glucose, degradation, media (culture), liquid culture, sterilization, autoclaves glucose, degradation, media (culture), liquid culture, sterilization, autoclaves 8490. Amnonium-5-tungsto-2-antimoniate, antiviral activity, bovine rhinotracheltis virus, pseudorables virus, rotavirus (bovine) 6471.

Amnonium-5-tungsto-2-antimoniate, antiviral activity, bovine) 6471.

Amnonium-5-tungsto-2-antimoniate, antivirus (bovine) 6471.

Amnonium-6-tungsto-2-antimoniate, antivirus (bovine) 6471. antibacterial activity, Streptococcus group B 2214.

Amoxicillin. moxicillin, antibiotic resistance, Escherichia coli, isolation, chickens 3032. antibiotic resistance, intestinal microflora, Escherichia coli, man 6419. antibiotic sensitivity testing, Neisseria gonorrhoeae 4804. +clavulanic acid, antibacterial activity, antibiotic resistance, clinical isolates, gram-negative bacteria, gram-positive bacteria 7438. +clavulanic acid, antibacterial activity, Klebsiella aerogenes, Escherichia coli 4830 4839 4839.

± clavulanic acid, antibiotic sensitivity testing, urinary tract, infection, bacteria, clinical isolates 6525.
comparison, antibiotic FK 027, antibacterial activity, bacteria 2316.
mass spectroscopy 2267.
production, β-lactamase deficient mutant, Pseudomonas melanogenum 3104.

Ampelopteris profilera.
leaves, extracts, antiviral activity, tobacco mosaic virus, cucumber mosaic virus 3333. Amphotericin,
+metacycline, antibiotic synergism, Candida albicans 7378.
Amphotericin B,
antibiotic sensitivity testing, fungi, radiometry 2280.
antitungal activity, Candida 4753.
antitungal activity, Candida albicans 4858.
antitungal activity, Candida albicans antioxidants stabilization 1406.
antitungal activity, Condidosobius, Basicilobolus 7380.
+antitungal activity, Candidosobius, antioxidants stabilization 1406.
antitungal activity, Candidosobius, Pasicilobolus 7380.
+antitungal activity, Candidosobius, antifungal activity, Aspergilitus 5785.
bioassays, spectrophotrometry, Streptomyces nodosus 4857.
Cryptococcus neoformans growth inhibition 1407.
drug sensitivity testing, Candida 5736.
effects on Candida albicans dry matter quantification 3113.
+rfamycin, antifungal activity, experimental infection, candidiasis, guinea-pigs 8365.
toxicity, Candida albicans 4859. Candida albicans 4859. mpletilin, antibacterial activity, Pseudomonas aeruginosa 7377. antibacterial activity, Streptococcus faecalis, Streptococcus faecium 4811. antibiotic resistance, antibiotic sensitivity testing, Haemophilus influenzae, clinical isolates, incidence, Spain 6420, antibiotic resistance, clinical isolates, Escherichia coli 4004. antibiotic resistance, clinical isolates, Escherichia coli 4004. antibiotic resistance, clinical isolates, Haemophilus influenzae 9077. antibiotic resistance, epidemiology, Haemophilus influenzae, meningitis, man 7314, antibiotic resistance, Haemophilus influenzae, clinical isolates, disseminated infection, children 441. antibiotic resistance, penicillin-binding protein, membrane permeability, Haemophilus influenzae 7338. antibiotic resistance, Salmonella typhi, mediation, plasmids 7322. antibiotic resistance, Vibrio 8293. antibiotic sensitivity testing, amoxycillin, Enterobacter cloacae, Citrobacter freundii, Serratia marcescens 2198. antibiotic sensitivity testing, clavulanic acid effects on, Bacteroides fragilis 9164. 3104, antibiotic sensitivity testing, Escherichia coli 7440, antibiotic sensitivity testing, Haemophilus influenzae, MS-2 system 498, antibiotic sensitivity testing, Leptospira 1373, antibiotic sensitivity testing, Neisseria gonorrhoeae 4804.

Anserobic bacteria, (continued)
blood culture, media (isolation) 2482.
cell culture equipment 7618.
chloretracycline antibiotic resistance, animal isolates, chloretracycline containing feeds, pigs 2197.
clinical isolates, antibiotic sensitivity testing, cefoxitin, metronidazole, clinical isolates, antibiotic sensitivity testing, metronidazole, clinical isolates, Mpt lest, Minitek test 7595.
clinical isolates, drug sensitivity testing, metronidazole, ornidazole 4731.
clinical isolates, hysterectomy postoperative infection, antibiotic sensitivity testing, man 9177.
culture systems, identification, media (transport), reviews 7610. Ampicillin, (continued) antibiotic sensitivity testing, Pseudomonas aeruginosa, clinical isolates 7416. antibiotic sensitivity testing, Streptococcus faecalis 4808. bactericidal activity, Legionella pneumophila, characterization 7451. chemical modification, synthesis, triazole, isoxazole, artibacterial activity 1398.

Citrobacter freundii resistance, transfer 6416.
Clostridium perfringens drug sensitivity testing 3085.
+ colistin interaction, Escherichia coli, ampicillin resistance 5772.
drug resistance, clinical isolates, Haemophilus influenzae, Haemophilus parainfluenzae 3035.
Escherichia coli resistance, ampicillin - colistin interaction 5772.
Escherichia coli resistance, ampicillin - colistin interaction 5772. clinical isolates, ring sensitivity testing, metholihozove, intilizative interaction, antibiotic sensitivity testing, men 9177.
culture systems, identification, media (transport), reviews 7810.
drug sensitivity testing, incoulum preparations 1334.
drug sensitivity testing, incoulum preparations 1334.
drug sensitivity testing, incoulum preparations 1334.
drug sensitivity testing, incoulum preparations 1339.
fermentation, anaerobic conditions 7851.
fermentation, biotechnology 2726.
fermentation, biotechnology 2726.
fermentation, biotechnology 2726.
fermentation, teedback inhibition 4251.
gelatin agar media methodology, use, gelatinase detection 2457.
identification methodology, blood culture, man 1583.
identification methodology, blood culture, man 1583.
identification methodology comparison 1657.
identification methodology comparison 1657.
identification methodology comparison 1657.
identification methodology comparison 1657.
include detection, reagersts methodology 1664.
inflammatory diseases, oral cavity, antibiotics sensitivity, man 7405.
isolation, identification, methodology 2489.
media (culture), anaerobic conditions, production, association, magnesium 7623.
methanogenesis, mass energy balance 4679.
methonologicale, antibacterial activity, treatment, infection 453.
penicillin resistance 432.
penicillin resistance 432.
penicillin resistance 432.
penicillin resistance 432.
spoilage, pasteurization, packaging, cold storage, shelf life, seafood, Crassostrea virginica 8720.
spoilage, pasteurization, packaging nitrogen packaging, luncheon meat 8715.
Anserobic conditions, 2 sters, antibacterial activity, gram-negative bacteria, Staphylococcus aureus 2266. esters, hydrolysis, Micrococcus luteus, bioassays, factors affecting 2265. ± gentamicin, antibacterial activity, Streptococcus faecalis endocarditis, animal models 4838. anima modes 439.

leukocytes (polymorphonuclear) penetration, antibacterial activity, man 492.
mass spectroscopy 2267.
resistance, β-lactamase activity, Enterobacteriaceae 4704.
+rifampicin, antibiotic synergism, antibacterial activity, Haemophilus influenzae +rrifampicin, antibiotic synergism, antibacterial activity, haemophilus inituerizae type b 9166. Streptococcus group B susceptibility 1391.
± streptomycin, ± chloramphenicol, antibiotic synergism, antibacterial activity, Pseudomonas aeruginosa 8349.
+ sulbactam antibacterial activity, agar diffusion test quality control 4834.
+sulbactam, antibacterial activity, Escherichia coli, Klebsiella aerogenes 4843, synergism, metronidazole, tinidazole, antibacterial activity, anaerobic bacteria 7366. Amprofilum,
effects, plasmid pKM101, antibiotic resistance, Escherichia coli, Salmonella
typhimurium 7324.
Amylase, activity, proteinase, Mucor, Endothia parasitica 8599. Lactobacillus, biosynthesis, chickens crop isolates 1815. production, industrial strains, morphology, Bacillus subtilis 6880. production, industrial strains, morphology, Bacillus subtilis 6880.

«-Amylase,
activity, clays, soil properties, grasslands 403.
activity, fungi, measuring techniques 7719.

Aspergillus flavus, activity, association, hydrocarbons carbon sources comparison 2189. spoilage, vacuum packaging nitrogen packaging, luncheon meat 8715.

Aneerobic conditions,

2-aminobenzoate biodegradation, denitrifying bacteria 6172.

Candida utilis vylose fermentation, effects on ethanol production 991.
cell culture Clostridium butyricum. Clostridium acetobutyricum 5919.
cell culture equipment, anaerobic bacteria 7618.
composting, sewage sludge, methanogenesis 4102.
denitrification, poliulutants fermentation 5670.
effects on, liquid culture, detection, bacteremia, fungemia 2514.
fermentation 7651.
filters, removal kinetics, fecal coliforms, phages, wastewater treatment 1474.
glycolysis, aeration effects on, Lauconostoc mesenteroides 854.
hydeoxycholic acid conversion, Pseudomonas, products identification 876.
methanogenesis, films, bibreactors, wastewater treatment, thermophilic bacteria
4926. 2189.
assays, use starch degradation products, Aspergillus oryzae 7677.
Bacillus stearothermophilus, Xanthomonas campestris, heat inactivation, ultrahigh temperature sterilization, dairy products 6974.
bacteria, measuring techniques, p-nitrophenylglycosides substrates 1794.
bacteria, atrach hydrolysis, sucrose production, industries 53.
biosynthesis, Bacillus licheniformis, sporulation correlation 1821.
biotechnology, reviews, microorganisms 2596.
acc-1.4-c.Djucosidase, production, optimization, carbohydrates hydrolysis, exo-1,4-a-D-glucosidase, production, oprinzation, carbonyoraiss nyurinysis, fungi 5193.

fungi, 5193.

fungi, bacteria, desizing, fabrics, textile industry 52.

fungi, immobilized enzymes systems, com syrup production 208.

hydrolysis oligosacchardes, Thermoactinomyces vulgaris 1777.

immobilized enzymes, kinetics, Bacillus subtilis 1772.

imactivation, immobilized enzymes, Bacillus subtilis, factors affecting 881.

mice, biosynthesis, cloning vectors, gene expression, Saccharomyces cerevisiae netranogenesis, limis, locteacious, wastewater treament, merimprinci bacteria 4926.

nitrogen, photosensitivity, U.V. radiation, Haemophilus influenzae 4749 phototrophic bacteria storage, nitrogen (liquid) 4215.
production, association, magnesium, media (culture), anaerobic bacteria 7623. Production association production association production of 154.
reactors, methanogenesis films, ultrastructure 6397.
storage, effects on soil microorganisms, soil, use land reclamation 5688. wastewater treatment, industrial effluents, methanogenesis, acid production 9227.
Anaerobic environments,
Neissena gonorhoeae, storage conditions 735.
Anaerobic microorganisms,
filters, wastewater treatment, coal 5843.
Anaerose and compositions of the production of the production production production production statistics affecting pathogenesis 8834.
Ancovenin, isolation, actinomycetes, amino acid sequence 2290. mice, biosynthesis, cloning vecuus, gene separation, 5169.
microorganisms, starch hydrolysis, food industry 51.
production, continuous culture, Bacillus licheniformis 6035, production, nutrient requirements, Bacillus apiarius 7758.
production, purification, characterization, Aspergillus foetidus 6012.
production, yeasts 6546.
purification, characterization, mutants, transformation, Bacillus subtilis 4287.
purification, characterization production matitotetraose, maltopentaose, Baci production, yeasts 8546.
purification, characterization, mutants, transformation, batinus superiorization, production maitotetraose, maltopentaose, Bacillus circulans 1763.
purification, characterization, thermal stability, Thermoactinomyces 7695.
purification, characterization, thermophilic microorganisms, Bacillus 7705.
reactivation, immobilized enzymes 4307.
solvation immobilized enzymes 4307.
satarch fermentation, ethanol production 8682.
starch hydrolysis, flour, baking industries, fungl 198.
p-Amylase, biolechnology, reviews, microorganisms 2596.
maltose, glucose production, reviews, α-D-glucosidase applications, Bacillus armylolquefaciens 4360.
purification, characterization, thermal stability 1940.
Amylolytic enzymes, Aspergillis niger, recovery, fermentation, wheat 204.
Amylolytic enzymes, activity, soil microorganisms, soil types 1270.
pretreatment, starch, sugars fermentation, ethanol production, Zymomonas mobilis 863.
production, yeasts 8546.

\*\*Macrossian production of the stability 1940.
\*\*Anylolytic enzymes, Aspergillis and the stability 1940.
\*\*Anyloly conversion, methyl-perhydroindanone biosynthesis, immobilized cells, Nicardia 105. Androsatane utone. synthesis, 3α-hydroxysteroid dehydrogenase, immobilized enzymes, Aspergillus phoenicis 106. Anemone flaccida, rust, Puccinia japonica, life cycle 8011. preteament, starch, sugars fermentation, ethanol production, Zymomonas mo 8663.

Anabaene torulosa, comparison, Pietonorma boryanum, sodium effects on nitrogen fixation 6381.

Anacardium occidentate, yield, phosphate nutrient uptake, spores levels, soils (sandy), vesicular-arbuscular mycorrhizas 7260.

Anacystis nidulans, allophycoyanin, isolation methodology 4220.

Anaerobic bacteria, anotypic production and production and production and production arbuscular arbuscular activity, bloyclomycin 3164. arribacterial activity, bloyclomycin 3164. arribacterial activity, cepforamide, apadicilin 3101. arribacterial activity, metronidazole, tinidazole, synergism, ampicillin, doxycycline, cotrinoxazole 7366. arribacterial activity, piperacilini 6539, arribibicto sensitivity testing, arribibito resistance, clinical isolates, eye infection, man 5757. arribibitio sensitivity testing, ciprofloxacin 4730. 5959.
Angolamycin,
deepoxidation, products antibacterial activity 5789.
Angulan tritlel,
incidence, Corynebacterium michiganense subsp.tritici, association, spike,
Triticum aestivum 8803.
Anhydrotetracycline oxygenase,
aureomycin production, growth rate, sugar, carbon sources effects on,
Streptomyces aureofaciens 4860.
Anlgozanthos.
Alternata alternata infection, Australia 2020.
Anlline. Altime, Aniline, biodegradation, Frateuria 6162.

biodegradation, Frateuria 6162.

biodegradation, microorganisms, characterization 1033.

biodegradation, microorganisms, characterization 1033.

biodegradation, nitrification inhibition, activated sludge 4093.

biodegradation, Ribodococcus erythropoiis 2708.

Aniline blue,
media (culture), Legionella identification 715. infection, man 5757.
antibiotic sensitivity testing, ciprofloxacin 4730.
antibiotic sensitivity testing, methodology, comparison 7408.
antibiotic sensitivity testing, plasmids transfer, reviews 7335.
antibiotic susceptibility testing, incubation conditions 2244.
aromatic compounds biodegradation, dehalogenation pathways 2701.

nimel models,
dental carles, prophylaxis, endo-1,3-α-D-glucanase 4140.
endocarditis, Streptococcus faecalis, antibacterial activity, gentamicin, ±
mezlocillin, ± ampicillin 4838.

meziocilin, ± ampicilin 4839.
immunogenicity, synthetic hepatitis B surface antigen+fatty acids conjugate, use vaccines 4071.
meningitis, Escherichia coli, Listeria monocytogenes, antibacterial activity,

meningitis, Escherichia coli, Listeria monocytogenes, antibacterial activity, mežicoliin 4884, mice, antiseptics disinfection, skin microflora 4141, rats, candidissis, mannose levels, gas-liquid chromatography 2536, rats, dental caries prophylaxis, fluoride release equipment, oral cavity 6725. rotavirus (bovine) vaccines, immunogenicity 3177. tuberculosis, spiropiperidylirfamycin treatment, antibacterial activity 2282.

tuberculosis, spiropiperidyliffamycin treatment, antibacterial activity 2282.

nimal = \*\*ti=, cattie, +Cocos nucifera agricultural wastes, methane production 1487.

cattie, digestion (anaerobic), methanogenesis 7504.

cattie, digestion (anaerobic), wastewater treatment, mesophilic bacteria 7519.

+cellulose, digestion (anaerobic), cattie 7513.

chickers, digestion (anaerobic), reactors, methanogenesis, mathematical models 8394.

composting, aerobic conditions, Korea, Rep. 4101.
composting, Scopulariopsis brevicaulis, cellulase, production 928.
conversion, electricity, methanogenesis, ethanol production, digestion

(anaerobic) 5275

(anaerobic) 5275.

(anaerobic) 5275.

(digestion (aerobic), oxygenation 4108.

(digestion (aerobic), oxygenation 4108.

(digestion (anaerobic), oxitie 7505.

(digestion (anaerobic), oxitie 7505.

(digestion (anaerobic), exitie 7505.

(digestion (anaerobic), pigs 6702.

(digestion (anaerobic), pigs 6702.

(digestion (anaerobic), wastwater treatment, pigs 7514.

(digestion (anaerobic), wastwater treatment, pigs 7521.

(digestion (anaerobic), silage, nutritive value, feeds, pigs 7019.

(methanogenesis, digestion (anaerobic), reactors design, methane use 5699, methanogenesis, immobilized cells, methanogenic bacteria 4124.

(microorganisms, digestion (anaerobic), oxygen, effects on, methanogenesis 8407.

pigs, cellulose, substrates, digestion (anaerobic) 2333.

(pigs, digestion (aerobic), storage, anaerobic conditions, digestion (anaerobic) 7507.

pigs, wastwater treatment, aerobic conditions 2377.

Polys, wastewater treatment, aerobic conditions 2377. pigs, wastewater treatment, aerobic conditions, odors 2378. pigs, wastewater treatment, anaerobic conditions, methanogenesis 9037. treatment, Candida ingens fermentation, proteins production 158. waste treatment, methanogenesis 2339.

Infinals, feeds, aflatoxins detection, Zaire 7057. feeds, detection aflatoxins, India 7051. feeds, detection aflatoxins, India 7051. feeds, detection, mycotoxins, methodology, use, high-performance liquid chromatography, thin-layer chromatography 7053. feeds, isolation Aspergillus, aflatoxins biosynthesis in vitro, Egypt 7062. feeds, mycotoxicosis association ingestion, Yugoslavia 7048. feeds, mycotoxins food contamination, screening methodology, British Isles 7047. feeds, rubratoxin 8 Penicillium, use, thin-layer chromatography, methodology, factors affecting 7054. ingestion, zearalenone, toxicity, production, Fusarium scab, Gramineae, reviews 7056.

7056.

macrophages, Mycobacterium leprae cell culture 7585.
mycotoxicosis, association, mycotoxins food contamination, books, conferences 7647.

mycotoxins food contamination, screening methodology, reviews 7079, mycotoxins tissues levels, metabolism, reviews 7075.

Inlons, acid rain, effects on soil microorganisms heterotrophy 2939, heavy metals, susceptibility, Mycobacterium scrofulaceum, Mycobacterium intracellulare, Mycobacterium avium 3043.

Innona aquemosa, seeds, rice tungro virus, pest control, Nephotettix virescens, vectors, rice tungro virus, Oryza sativa 6299.

biological control, microbiology, pathology, genetics, Bacilius sphaericus 6896. Larvae, infection, utrastructure, histopathology, biological control, Culicinomyces clavisporus 2653. mopheles franciacanus, biological control, larvicides, Bacilius sphaericus spores, fate, ponds 1845. mopheles hiffii, larvae, biological control, mortality, dose-response effects, Culicinomyces clavisporus 2664. mopheles stephanal, larvae, toxicity, a-endotoxin, spore crystals, Bacilius sphaericus 3572. pathogenicity, Entomophthora culicis 138. mopheles sundalcus, biological control, endotoxins, Bacilius thuringiensis 134. morexia, Choristoneura fumiferana, endotoxins induction, biological control, Bacilius thuringiensis 3570.

Choristoneura fumiferana, endotoxins induction, biological control, Bacillus thuringiensis 3570.

\*\*neemycin,\*\* antibacterial activity, Mycobacterium leprae 9086.

\*\*antibacterial activity relationship, Staphylococcus aureus killing, leukocytes phagocytosis 2298.

\*\*ntaponism,\*\* Aureobasicilum pullulans, Alternaria solani, use biological control, Lycopersicon esculentum 2080.

\*\*Azotobacter chrocococum, biological control, Rhizoctonia solani infection, Solanium thipsensium 2088.

Solanum tuberosum 2088. Bacillus subtilis antibiotics production, Phoma betae, oxafun inhibition, rhizosphere 2139. bacteria, milk isolation, Staphylococcus aureus growth, Enterotoxins biosynthesis

8707 8707.

Cladosportum, leaf rust, Melampsora larici-populina, hybrids, Populus 361.

Envinia, Phytophthora cactorum, herbicides effects on 2177.

lactic acid bacteria, Staphylococcus aureus disinfection, hospitals 3227.

Massarina aquatica infection wood, fungi 2110.

Pseudomonas siderophores, pathogens, seed treatments, Solanum tuberosum 2831.

Antagonism, (continued)
Pseudomonas siderophores, phytopathogenic fungi, Erwinia, rhizosphere, Solanum tuberosum 2830.

tuberosum 2830. Rhizobium growth, saprophytes, fungi 7248. Rhizobium growth, saprophytes, Laccaria laccata, Pythium, Phytophthora, Eucalyptus marginata, Pinus radiata 2099. soil microorganisms, Rhizoctonia, Ceratobasidium, eye spot, Gramineae 7208. Streptomyces, fungi, Azospirilium lipoferum, Azospirilium brasilense, role inoculum survival, soil 4558.

Antagonitas, bacteria, effects on pathogenesis, Phytophthora cactorum crown rot, Malus 5511.

Antamanida, analogs, radioactive labelling, peptide synthesis, Amanita phalloides 7664.

Antarctica,

Antarctica,

Nematoria, soil, 8982.

Amarcinca, nematophagous fungi, parasites, Nematoda, soil 8982. Anthelminthic agents, avermectins production, Streptomyces avermetiiis 120. Antheraea eucalypti, coll lines, growth, African swine fever virus 1545.

Cell lines, grown, amcan swine tever virus 1545.
Anthers,
free radicals levels, Ustilago maydis smut effects on, Zea mays 5433.
localization, virus-like particles, cherry leaf roll virus, transmission
(vertical), Prunus avium, Betuta pendula, Juglans regia 7990.

Anthracene, Prunus avum, ceruna pendula, Jugians regia /990.

Anthracene, biodegradation, reviews 8278. oxidation, stereoselectivity, Cunninghamella elegans 2188.

Anthracnose, Cercospora coffeicola, shading, rainfall, seasonal variations, plantations,

Cercospora correctora, snacing, raintali, seasonal variations, plantations, Coffea arabica 273. Colletotrichum dematium, disease resistance, Lycopersicon esculentum, inheritance 2851.

285.1. Colletotrichum gloeosporioides var minor, epidemiology, Mangiera indica 7159. Colletotrichum gloeosporioides var minor, epidemiology, Mangiera indica 7159. Colletotrichum graminicola, Poa annua var reptans, epidemiology, weather 542t Colletotrichum lagenarium, disease resistance, plant breeding, cultivars,

Colletorium inglemarum, unisease reassas per para tresum, control control in andre september control in a con

Colletotrichum trfolii, Colletotrichum fragariae, susceptibility, Lupinus angustfolius 2784. Colletotrichum trfolii, disease resistance, Medicago sativa 5449. fruit rot, Glomerella cingulata, USA, Florida, Fragaria 8047. Gnomonia leptostyla, disease resistance, reliationship, 5-hydroxy-1,4-naphthoculnone, hydrouglone glucoside, Juglans nigra 3855. Gnomonia leptostyla, epidemics, incidenie, Juglans nigra plariatitions, USA, illinois 799-5-chile, Judlace plara graveth, peaceitics 2019.

Gnomonia leptostyla, Juglans nigra, growth association 3918. Sphaceloma ampelimum, Vitis vinifera yield 2029.

Anthracycline antibiotics, biosynthesis, inducers intracellular levels, Streptomyces griseus 6068.

Anthramycin, biosynthesis pa Anthranilic acid, pathway, models, reviews, Streptomyces refuineus 4375. biodegradation, anaerobic conditions, denitrifying bacteria 6172. biodegradation, Micrococcus 3664.

anthropology, fungi, biodeterioration, wood carvings 1023. Anthyllis vulneraria, plant extracts, antiviral activity, herpesvirus, poliovirus 2 8325.

Antibacterial agents, activity, effects on, cell membranes, ribosomes, nucleic acids, amino groups, bacteria 9094.

country, enercits on, ceil membranes, ribosomes, nucleic acids, amino groups, bacteria 904: https://doi.org/10.1009/s.min.pdf.2016/s.min.pdf.

production, fungi, morphology association 2255.

Antibiotic AL-87,

ociation, fatty acid composition, Staphylococcus aureus 7313. resistance association, fatty acid composition, Staphylococcus aur Antiblotic AN-1, production, isolation, characterization, Streptomyces albus 4059. Antiblotic AN-201, production, isolation, structure, antibacterial activity, Streptomyces nojiriensis 3134. Antiblotic AN-3.

Antibiotic AN-3, hosynthesis, isolation, physicochemical properties, antibacterial activity, antitumor activity, Streptomyces albulus 1439. Antibiotic AN-7, production, isolation, characterization, Streptomyces griseoincarnatus 4061.

production, isolation, characterization, Streptomyces griseoincamatus 4061.

Artibiotic antagonism,
cefoxitin antibacterial activity, reviews 507.

chioramphenicol, β-lactam antibiotics, antibacterial activity, Klebsiella
pneumoniae 4806.

β-lactam antibiotics, aminoglycoside antibiotics, bactericidal activity,
Pseudomonas aeruginosa 7403.

meziocillin, antibacterial activity, bactericidal activity 7412.

thienamycin, piperacillin, antibacterial activity, Pseudomonas aeruginosa 7442.

Antibiotic A2315A,
biosynthesis, N.M.R. 532.
biosynthesis, actinomycetes 9210.

Antibiotic resistance, (continued)
bacteria microflora, neonates, mar 7332.
bacteria, relationship, antibiotics use, hospitals 3030.
bacteria, screening 7315.
bacteria, selection, antibiotics treatment, man 6404.
bactericidin, Staphylococcus, mechanisms, development 7329.
Bacteroides fragilis, celoratin 1309.
Bordetella pertussis 4710.
cefamandole, disc-diffusion test, gram-negative bacilli 8292.
cefotaxime, amikacin, cross-resistance, clinical isolates, Serratia marcescens Anubiotic B-371, structure-activity relationships, artibacterial activity, Escherichia coli, Bacillus subthiis, artifungal activity, Mucor miehei 8338.

Antibiotic C-19393, artibacterial activity, structure-activity relationships 517.

Antibiotic CD-920, ignalian—activity. isolation, structure, characterization, Streptomyces pulveraceus subsp.fostreus 2639 Antibiotic CI-920 -4567.
cephalosporins, β-lactamase, Proteus vulgaris 2194.
cephalosporins, bacteria 7333.
cephalosporins, clavulanic acid inhibition β-lactamase, Bacteroides fragilis 3019. Antibiotic CF-920, production, Streptomyces pulveraceus subsp.fostreus 2638.

Antibiotic DJ-6783, cross-resistance, Pseudomonas aeruginosa, Escherichia coli 6421. cross-resistance, Antibiotic DL 8290, 3019.

cerulenin, fatty acid synthetase, purification, characterization, Cephalosporium caerulens, comparison, Saccharomyces cerevisiae 8528.
cervical microflora, buffaloes 2205.
chloramphenicol, association, chloramphenicol acetyttransferase, Escherichia coli 3997. antibiotic resistance, Mycobacterium tuberculosis 7344. antibolic resistance, Mycobacterium tuberculosis 7344.
Antibolic DL8260,
antibacterial activity, Mycobacterium tuberculosis 9084.
Antibolic FCE 22101,
antibacterial activity 1431.
Antibolic FK 027,
antibacterial activity, comparison, cefaclor, cephalexin, amoxicillin, bacteria Ciniciary and Carlos (1972) association, concampnenico, acetytransterase, Escherichi 3997.

chloramphenicol, bacteria, long-term effects 7323.

chloramphenicol, cinical isolates, Salmonella typhi 9080.

chlorateracycline, aerobic bacteria, coliforms, animal isolates, relationship feeds additives, pigs 8295.

chloretracycline, anaerobic bacteria, animal isolates, chloreteracycline, anaerobic bacteria, animal isolates, chloreteracycline, escal coliforms, Bolation, pigs 5711.

clindamycin, Bacteroides, detection 3014.

clinical isolates, bacteriodes ragilis, clinical isolates 7318.

clinical isolates, gram-positive cocic, gram-negative bacilli, anaerobic bacteria, especialistes, Staphylococcus aureus, West Indies 5707.

coliforms, isolation, pigs, association, chloretracycline, reatment 3033.

coliforms, survival, lagoons, wastewater treatment 1482.

colistin, role plasma membranes, protoplasts, liposomes, Bacillus colistinus 9074. Antiblotic FR 17027, antibacterial activity, β-lactamase stability 7430. Antiblotic FR-900109, Antibiotic FH-900108, derivatives, X-ray crystallography 1434. Streptomyces prunicolor biosynthesis, antibacterial activity, gram-negative bacteria 1435. Antibiotic FR-900318, biosynthesis, Aspergillus candidus, characterization 3103. Antibiotic FR-900336, isolation, Streptomyces sioyaensis subsp.tanegashimaensis, characterization 6566. Antibiotic HR 810, antibacterial activity, β-lactamase, stability, characterization 3100. antibacterial activity, gram-negative bacteria clinical isolates 7429 antibiotic sensitivity testing, Enterobacteriaceae, Pseudomonas aeruginosa 6511. 9074.

conferences 847.

conferences 847.

conferences 847.

conserved are under the minimal of the production of the p antibotic sensitivity testing, Enterovation Artibotic K-4619, antibacterial activity, gram-negative bacteria, gram-positive bacteria 7479. antibacterial activity, gram-negative bacteria, gram-positive bacteria 7479.
Antiblotic Me-230B,
antibbacterial activity 4062.
Antibbacterial activity 4062.
Antibbotic MDL 19,592,
antibbacterial activity, Staphylococcus aureus, Streptococcus, Haemophilus
influenzae 1389.
Antibbotic MM 14201, production, purification, structure, antibacterial activity, Streptomyces 3135. Antibiotic MM 19290, high-performance liquid chromatography 1425.

Antiblotic MM13902, β-lactamase inhibitors, gram-negative bacteria 9161. Antibiotic MM4550, tors, gram-negative bacteria 9161. β-lactamase inhibito Antiblotic OA-6129D, Escherichia coli clinical isolates, correlation R factors 1313.

Escherichia coli, correlation, kanamycin 6'-acetyltransferase activity, aminoglycoside antibiotics chemical modification 5714.

Escherichia coli, factors colates, sheep 7321.

Escherichia coli, R factors, dogs isolates 3010.

Escherichia coli, R factors, dogs isolates 3010.

Escherichia coli, R factors, incidence, relationship antibiotics treatment, diarrhea, man 3034.

Escherichia coli, toxigenicity relationship 6424.

evolution, selection, bacteria, reviews 9056.

R factor, role, Shigelia 6438.

R factors characterization, clinical isolates, Staphylococcus aureus 9178.

R factors, electrophoresis, epidemiology, clinical isolates, Salmonella typhi 4001. structure, spectroscopy, Streptomyces 7460.
Antibiotic OA-6129E, structure, spectroscopy, Streptomyces 7460.

Antibiotic OM-173, acterial activity, Streptomyces, taxonomy 2289. production, antibacterial activity, Streptomyces, taxonomy 2289.
Antiblotic PD 113,270, Isolation, structure, characterization, Streptomyces pulveraceus subsp.fostreus production, Streptomyces pulveraceus subsp.fostreus 2638.
Antibiotic PD 113,271,
isolation, structure, characterization, Streptomyces pulveraceus subsp.fostreus 2639. isolation, structure, characterization, Streptomyces pulveraceus subsp.fostreus 2639.
production. Streptomyces pulveraceus subsp.fostreus 2638.
Antibiotic PS-5,
synthesis 9212.
Antibiotic P168,
structure, Paecilomyces lilacinus 9207.
Antibiotic Pesestance,
aminoglycoside antibiotics, bacteria, reviews 9051.
aminoglycoside antibiotics, biosynthesis relationship, actinomycetes 3016.
aminoglycoside antibiotics, clinical isolates, Enterobacteriaceae, Pseudomonas
aeruginosa, Turkey, USA 2195.
aminoglycoside antibiotics, correlation, aminoglycoside acetyltransferase,
plasmids, Mycobacterium fortuitum 7342.
aminoglycoside antibiotics, crelationship, aminoglycoside
2"-0-nucelotidyltransferase activity, Escherichia coli 3028.
aminoglycoside antibiotics, sreptococcus faecalis 7330.
amoxicalin, cephradine, intestinal microflora, Escherichia coli, man 6419.
ampicillin, choramphenicol, Haemophilus influenzae, clinical isolates,
antibiotic sensitivity testing, incidence, Spain 6420.
ampicillin, epidemiology, meninglis, Haemophilus influenzae, disseminated infection,
children 441.
ampicillin, epidemiology, meninglis, Haemophilus influenzae, disseminated infection,
children 441. n lactors, electrophioresis, epicermology, clinical isolates, Salmonella typ 4001. R factors, Enterobacteriaceae 4002. R factors, Escherichia coli animal isolates, relationship antibiotics, feeds 4003. R factors, Klebsiella, Escherichia coli, clinical isolates 5709.
R factors, Pseudomonas aeruginosa, transfer, Escherichia coli, clinical isolates, neautis, resucomonas aeruginosa, transfer, Escherichia coli, clinical isolates, neonates, man 9043.

R factors, transfer, Salmonella, water isolates, waste water, surface water 9046.
R factors transfer, Staphylococcus aureus 9044.
genes, Streptococcus anguis, transformation, DNA, plasmids, Streptococcus lactis 6990. gentamicin, Enterobacteriaceae, isolation, waste water, plasmids transmission 9076.
gentamicin, lipopolysaccharides structure, Pseudomonas aeruginosa 7350.
gentamicin, plasmidis mediation, Staphylococcus aureus 7327.
gentamicin, plasmidis ransposition, Staphylococcus aureus 9066.
gentamicin plasmidis, transposition, Staphylococcus aureus 9066.
gentamicin uptake, Staphylococcus aureus 9075.
hygromycin B, aminocycitiol phosphotransferase, gene mapping, plasmids,
Escherichia coli 427.
Inc plasmidis, Ractors, Shigella sonnei 4691.
Klebsiella, epidemiology, serotyping 445.
Klebsiella, peridemiology, serotyping 445.
Klebsiella, peridemiology, serotyping 445.
Aleatam antibiotics, B-lactamase, para-negative bacteria, reviews 9050.
B-lactam antibiotics, B-lactamase, pseudomonas aeruginosa 9082.
B-lactam antibiotics, B-lactamase, pseudomonas aeruginosa 9082.
B-lactam antibiotics, Haemophilus influenzae type b, clinical isolates,
characterization 6407.
B-lactam antibiotics, penicillin-binding protein characterization, clinical
isolates, Streptococcus viridans 428.
B-lactamaen, penicillin-binding protein characterization, clinical
isolates, Streptococcus viridans 426.
Incatamaen, celotiam, amitbacterial activity, Enterobacter, Klebsiella 4711,
lactic acid bacteria, Streptococcus, phosphate, buffers, media (culture), effects
on 5708.
macrolide antibiotics, Mycoplasma, animal isolates, chickens 3087. gentamicin, lipopolysaccharides structure, Pseudomonas aeruginosa 7350. ampicillin, penicillin-binding protein, membrane permeability. Haemophilus amplicillin, terracycline, gentamicin, clinical isolates, Escherichia coli 4004. ampicillin, tetracycline, gentamicin, clinical isolates, Escherichia coli 4004. ampicillin, Vitro 8293. ambicio con escribina della coli 4004. ambicio cantilino cantilin 7348 antibiotic sensitivity testing, plasmids transfer, reviews, anaerobic bacteria 7335 azlocillin, clinical isolates, bacteria 5715. bacteria 9067 bacteria, antibacterial activity, rifamycin 7340, bacteria, antibiotics, feeds additives, livestock, reviews 9062. bacteria, books 9337. bacteria, clinical isolates, surveys 9047. bacteria, metals tolerance, drinking water isolates 6433. on 376.

macrolide antibiotics, Mycoplasma, animal isolates, chickens 3087.
macrolide antibiotics, plasmids, Streptococcus, host range 3025.
macrolide antibiotics, Streptococcus pyogenes, clinical isolates, serotypes 3018.

Antiblotic realistance, (continued)
mastitis animal isolates, Streptococcus agalactiae, Staphylococcus aureus,
Streptococcus 9083.

Steptococcus 3083.

Technicoccus 3083.

Technisms, antibiotics, structure-activity relationships, reviews 9063.

Technisms, antibiotics uptake, bacteria, reviews 9049.

Technisms, mutation, bacteria, reviews 9048.

Technisms, mutation, bacteria, technical isolates 8291.

Technical activity 7344.

Technical scale 1748.

Technical isolates 8291.

Technical isolates 944.

Technical is

2196

2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.
2196.

penicillin, chloramphenicol, Streptococcus pneumoniae, clinical isolates, USA, Colorado 436.

penicillin G, clinical isolates, Staphylococcus aureus 2199.

penicillin, methicillin, Staphylococcus aureus, Streptococcus pneumoniae, quality control, clinical microbiology, artibiotic sensitivity testing 4688.

penicillin, selection, Staphylococcus aureus, mice animal isolates 443.

physicochemical properties, plasmid pKMR, Escherichia coil, Shigella sonnei 4694.

piperacillin, ceftazidime, cefsulodin, association, β-lactamase, Pseudomonas aeruginosa 4696.

plasmid pKMR, Escherichia coil 4699.

plasmid pKM101, Escherichia coil, Salmonella typhimurium, amprolium, effects 7324.

/324. plasmids, B-lactamase, Enterobacteriaceae 8290. plasmids, Lactobacillus helveticus, Lactobacillus bulgaricus 2202. Proteus, clinical isolates 7328.

Profeus, clinical isolates 7328.
Pseudomonas aeruginosa, amoxicillin+clavulanic acid, augmentin 7438.
Pseudomonas aeruginosa, colonial characteristics 526.
Pseudomonas aeruginosa, Escherichia coli, cross-resistance 6421.
Pseudomonas aeruginosa, surveys, British Isles 9059.
Pseudomonas aeruginosa, natibiotics production industrial wastes, R factors characterization 2208.
Pseudomona-Flactamase levels, clinical isolates, Staphylococcus aureus

relationship antibiotics biosynthesis, bacteria, reviews 9057.
relationship urease, phosphatase, production, clinical isolates, gram-negative bacilli 4709.

resettorsing tresse, production, clinical isolates, gram-negative bacilli 4708.

resistance, Staphylococcus aurieus, antilibiotic sensitivity testing, erythromycin, clindamycin, gentamicin, tetracycline 7424.

Rhizobium leguminosarum, morphology, Vigna ungluculata 9013.

Rhizobium leguminosarum, morphology, Vigna ungluculata 9013.

Rhizobium leguminosarum, morphology, Vigna ungluculata 9013.

Streptomyces 1314.

Toles Hactamanese, bacteria, infection, clinical aspects, reviews, man 3031.

role, alginic acid, binding, antibiotics, Pseudomonas aeruginosa 6411.

role, enzymes, Staphylococcus aureus, Staphylococcus epidermidis, clinical isolates, purification, characterization 5165.

Salmonella, animal isolates, meat isolates 6441.

Salmonella animal isolates, epidemiology 3992.

Salmonella, I factor incidence 6430.

Salmonella, I factor incidence 6430.

Salmonella survival, beef, refrigeration 7005.

Salmonella typhi, isolation, typhold fever, blochemical characteristics 3024.

Salmonella typhi, isolation, typhold fever, blochemical characteristics 3024.

Salmonella typhi plasmids, mediation, chloramphenicol, trimethoprim, ampicillin 7322.

7322.
Salmonella typhimurium, gentamicin, cattle 3998.
Serrata marcescens, carbenicillin 447.
Serrata marcescens, piasmids analysis 4000.
sewage isolates, chlorination effects on 6437.
Shigella dysanteriae, clinical isolates 4715.
spectinomycin, Neisseria gonorrhoeae, characterization 2209.
Staphylococcus aureus, clinical isolates, relationship protein A biosynthesis

Staphylococcus aureus, iminati solitatis, retailmentip protein A Diosynthesis 2054.

Staphylococcus aureus, imipenem, methicillin 4708.

Staphylococcus, catterios, serfects on 6439.

Staphylococcus, catterios catales 3041.

Staphylococcus, catterios catales 3041.

Staphylococcus, catterios catales 3041.

Staphylococcus, oxacilini, methicillin, detection, use, AutoMicrobic test 2207.

Staphylococcus, satiliotic synregism, penicillin, streptomycin 444.

streptomycin, kanamycin, gene expression, Escherichia coli, Rhizobium mellioti, transposon Tn5, hybridization analysis 442.

streptomycin, mutants selection, dairy starters, Streptococcus 2730.

streptomycin, Streptococcus facelis, clinical isolates, association, ribosomes 4897.

streptomycin, transposon Tn5, mediation, Escherichia coli, Rhizobium mellioti

streptomycin, transposon Tn5, mediation, Escherichia coli, Rhizobium mellioti 7336.

Todo: Structure-activity relationships 1376. structure-activity relationships 1376. structure-activity relationships 1376. structure-activity relationships 1376. structure-activity parainfluenzae, homology, Escherichia co

Escherichia coli 9073. terracycline, chioramphenicol, rifampicin, amoxicillin, Escherichia coli, isolation, chickens 3032. tetracycline, conjugation, gene transfer, transposons, Streptococcus 6431. tetracycline, fecal coliforms, pigs, characterization 1317. tetracycline, gene transfer, Clostridium perfringens, characterization 3013.

Antiblotic resistance, (continued)
letracycline, plasmid RP4, continuous culture, Escherichia coli 7351.
tetracycline, plasmids, DNA, restriction endomuclease mapping, Haemophilius
ducrey/3027.
tetracycline, R factors, Escherichia coli 2206.

tetracycline, f tactors, Escherichia coli 2206. tetracycline, f tactors, Escherichia coli 2206, tetracycline, relationship bacteriocinogeny, Clostridium perfringens 4707, tetracycline, transposon Tn10, repressors, binding sites, genetic control, Escherichia coli 1315, tyrothricin, gramicidin 7477. Vibrio cholerae 6422. Vibrio cholerae, plasmids, gene transfer, clinical isolates, man, India, Tamil Nadu 6400.
Antiblotic Re 09-0766,

Streptomyces dimorphogenes, structure 5794. Antiblotic Ro 09-0767, Streptomyces dimorphogenes, structure 5794. Antiblotic Ro 09-0768,

Streptomyces dimorphogenes, structure 5794
Antiblotic RU 28965.

antibacterial activity 4878. Antibiotic Sch 25393,

antibactorial activity 6542.
Antibiotic sensitivity testing,
Achromobacter xylosoxidans nosocomial infection isolates, fatty acid composition 4789

aerobic bacteria, dissolved oxygen levels, electrochemistry, diagnosis,

aerobic bacteria, dissolved oxygen levels, electrochemistry, diagnosis, bacteriuna 8345. agar diffusion test, measuring techniques, calipers 743. agar dilution test, dinical microbiology 7399. agar dilution test, filamentous microorganisms, fungi 5763. arnikacin, antibiotic synergism, aztreonam, piperaciliin, ticarcillin, Pseudomonas aeruginosa, Pseudomonas cepacia, clinical isolates, cystic fibroeis, children 3170.

aminoglycoside antibiotics, gram-negative bacteria, isolation, heart, surgery postoperative infection 3107. amoxicillin± clavulanic acid, urinary tract, infection, bacteria, clinical

amoxicimini di ciavulanic acio, unnary tract, infection, pacteria, clinical isolates 6525.

amphotericin B, fungi, radiometry 2280.

ampicillin, amoxycitlin, Enterobacter cloacae, Citrobacter freundii, Serratia marcescens 2198.

marcescens 2196.
ampicillin, carbenicillin, mezlocillin, azlocillin, piperacillin, clavulanic acid
effects on, Bacteroides fragilis 9164.
anaerobic bacteria, clinical isolates, cefoxitin, metronidazole, clindamycin

anaeronic bacteria, methodology, comparison 7408.

anaeronic bacteria, methodology, comparison 7408.

animal isolates, Aeromonas hydrophila 8350.

antibiotic resistance, Bacteriodes fragilis, clinical isolates, surveys 7348.

antibiotic resistance, Bacteriodes fragilis, clinical isolates, surveys 7348.

antibiotic resistance, plasmids transfer, reviews, Bacteriodes 7335.

antibiotic sensitivity testing, Pseudomonas aeruginosa 503.

antibiotic SK&F 89070, Pseudomonas aeruginosa, Enterobacteriaceae 6510.

Autobac test, bacteria, blood culture 494.

automated methods 2251.

automated methods 7404.

automated methods 7404.

automated methods, gram-negative bacilii 486.

AutoMicrobic test, gram-negative bacilii 486.

AutoMicrobic test, gram-negative bacteria, clinical isolates, methodology, comparson 7419.

bacteria 2249.

bacteria 2219: 15-bacteria, ariimal isolates 7420. bacteria, automated methods 3258. bacteria, clinical isolates, Ethiopia, hospitals, blood culture 7400. bacteria, clinical isolates, licarcillin+clavulanic acid, disc-diffusion test

5774

5774.

bacteria, clinical isolates, treatment, endometritis, cattle 4813.
bacteria, clinical isolates, treatment, endometritis, cattle 4813.
bacteria, petri dishes, factors affecting disc-diffusion test 2245.
bacteria, photometry, computer applications 3076.
bacteria, urinary tract infection isolates, dogs 4787.
bacteria, urinary tract infection isolates 6501.
bactericidal activity, rifampicin, vancomycin, antibiotic synergism, Staphylococcus aureus 7413.
Bacteriodes fragilis, B-lactamase activity 7407.
Bacteriodes nodosus 3056.
Branhamelia catarrhalis 9163.
Branhamelia catarrhalis, in vitro 9087.
burn infection bacteria 3084.
Campylobacter jejuni, animal isolates, laboratory animals, dogs 9'

purn inrection bacteria 3084.
Campylobacter jejuni, animal isolates, laboratory animals, dogs 9180.
Campylobacter jejuni, Campylobacter coil 5755.
Campylobacter jejuni comparison, Campylobacter coil 9167.
cations levels effects on 649.
cofloperazone, bacteria 502.
cophalasangina 1486.

cationis levels effects on 6498. eefoperazone, bacteria 502. esphalosporins, disc-diffusion test, clinical isolates, bacteria 4819. eephalosporins, disc-diffusion test, clinical isolates, bacteria 4819. eephalosporins, Streptococcus group D, media effects on 3095. eephalosporins, Streptococcus group D, media effects on 3095. eephalotini, quality control 4828. eiprofloxacin, aerobic bacteria, anaerobic bacteria 4730. clinical isolates, Birldobacterium 4043. elinical isolates, Birldobacterium 4043. elinical isolates, Gilution tests, laboratories, comparison 483. clinical isolates, dilution tests, laboratories, comparison 483. clinical isolates, dilution tests, laboratories, comparison 483. clinical isolates, Bratoros 7577. elinical isolates, H factors, characterization, antibiotic resistance, antibiotic sensitivity testing, clinical isolates, Streptococcus pneumoniae 9153. clinical isolates, Sireptococcus pneumoniae 9153. clinical plague bacteria of prophylaxia, endocarditis, man 2252. dental plaque, antibiotics prophylaxia, endocarditis, man 2252. dental plaque, antibiotics prophylaxia, endocarditis, man 2252. dental plaque, antibiotics prophylaxia, endocarditis, man 2252. dental plaque bacteria of 275. dilution tests, methodology, comparison, gram-negative bacteria 7621.

Antibiotic sensitivity testing, (continued)
dilution tests, Mycoplasma, animal isolates, chickens 3087.
disc-diffusion test, specialini, quality control 7439.
disc-diffusion test, specialini, quality control 7439.
disc-diffusion test, testion, quality control 848.
disc-diffusion test, testion, quality control 848.
disc-diffusion test, petions, association, quality control 848.
Eikenelia corrodens, β-lactam antibiotics, fosfomycin 4793.
Eikenelia corrodens, β-lactam antibiotics pseudomonas aeruginosa activity, Escherichia coli, animal isolates, poscocomial infection 4693.
equipment, Staphylococcus aureus 3093.
equipment, Staphylococcus aureus 3093.
equipment, Staphylococcus aureus 3093.
experienta coli, animal isolates, pospositional properties, Flexibacter, taxonomy 1450.

Antibiotic \$Q 28,302,
Introbacterial activity, taxonomy, Flexibacter, atxonomy 1450.

Antibiotic \$Q 28,503,
Introbacterial activity, taxonomy, Flexibacter, atxonomy 1450.

Antibiotic \$Q 28,502,
Introbacterial activity, taxonomy, Flexibacter, atxonomy 1450.

Antibiotic \$Q 28,502,
Introbacterial activity, taxonomy, Flexibacter, atxonomy 1450.

Antibiotic \$Q 28,503,
Introbacterial activity, taxonomy, 1450.

Antibiotic \$Q 28,502,
Introbacterial activity, taxonomy, Flexibacter, atxonomy 1450.

Antibiotic \$Q 28,503,
Introbacterial activity, taxonomy, 1450.

Antibiotic \$Q 28,502,
Intro Bacteroides 6512.

corimoxazole, antibacterial activity, pharmacokinetics, reviews 5731.

coumemycin, antibiotic sensitivity testing, gram-negative bacteria, gram-positive bacteria, hydroxy quinolones 6557.

gentamicin, penicillin, clindamycin, metronidazole, Bacteroides melaninogenicus, Bacteroides fragilis 3118.

gentamicin, penicillin G, vancomycin, cefotaxime, bactericidal activity, Streptococcus group G 7423.

imipenem, arnikacin, cotrimoxazole, cefotaxime, Nocardia asteroides 480.

β-lactam antibiotics +amikacin, antibacterial activity, 1391.

β-lactam antibiotics +amikacin, antibacterial activity, Enterobacteriaceae 9165. Integrations, least, admires 2250.
Haemophilus influenzae admires 2250.
Haemophilus influenzae ampiciliin, cefamandole, chloramphenicol, MS-2 system Haemophilus influenzae, clinical isolates 4812.
Haemophilus influenzae, clinical isolates, antibiotic resistance, ampicillin, chloramphenicol, incidence, Spain 6420.
Halobacteriaceae 6497.
Identification, Versinia 694.
In vitro, Escherichia coli, Salmonella, Shigella, nosocomial environment clinical isolates 6502.
Inoculum, effects on, methodology 484.
Flactam antibiotics, 3089.
Flactam antibiotics, aminoglycoside antibiotics, inoculum size effects on, Neisseria gonorrhoeae 7426.
Flactam antibiotics, antibiotic synergism, aminoglycoside antibiotics, Pseudomonas aeruginosa 4801.
Egionella pneumophila, intracellular killing, macrophages, guinea-pigs 6506.
Leptospira 1373.
media, bacteria 9151.
media production 9152.
methodology, comparison 7625.
methodology, comparison, blood culture isolates (taly 7441.
methodology, comparison, blood culture isolates 2240.
moxaliactam, Bacteroides 6514.
Mycoplasma, Ureaplasma, isolation, semen, cattle 7473.
Neisseria gonorrhoeae 4804.
Neisseria gonorrhoeae 4804.
Neisseria gonorrhoeae, gonorrheae pidemiology, man 482.
Neisseria gonorrhoeae, placiamase production relationship 1377.
Neisseria gonorrhoeae, gonorrheae pidemiology, man 482.
Neisseria gonorrhoeae, gonorrheae pidemiology, man 482.
Neisseria gonorrhoeae, gonorrheae pidemiology, man 482.
Neisseria gonorrhoeae, placiamase production relationship 1377.
Neisseria gonorrhoeae, gonorrheae pidemiology, man 482.
Neisseria gonorrhoeae, gonorrheae 1374.
Neisseria gonorrhoeae, gonorrheae pidemiology, man 482.
Neisseria gonorrhoeae, gonorrheae pidemiology, β-lactam antibiotics+ armikacin, antibacterial activity. Enterobacteriaceae 9165.

β-lactam antibiotics, aminoglycoside antibiotics, antibiotic sensitivity testing, Pseudomonas aeruginosa 7417.

β-lactam antibiotics, aminoglycoside antibiotics, bactericidal activity, Pseudomonas aeruginosa 7403.

π:zzlocilin, antibacterial activity, bactericidal activity 7412.

οχίσοι, antibacterial activity, sepsis experimental infection, clinical trials 6585. m.z.rousim, ambacterial activity, bactericidal activity 7412.
oxytocin, antibacterial activity, sepsis experimental infection, clinical trials 6885.
penicillin, streptomycin, Streptococcus antibiotic resistance 444.
rifampicin+ampicillin, +chloramphenicol, antibiotic resistance 444.
rifampicin, vancomycin, antibiotic sensitivity testing, bactericidal activity,
Staphylococcus aureus 7413.
rifamycin, antibacterial activity, Staphylococcus epidermidis 8359.
sisomicin, +mezlocillin, +azlocillin, Escherichia coli, Kiebsiella pneumoniae,
Pseudomonas aeruginosa 2271.
Streptococcus, cefotaxime, aminoglycoside antibiotics 1382.
temocillin, β-lactam antibiotics, antibacterial activity, Enterobacteriaceae,
Pseudomonas aeruginosa, Staphylococcus activity, Characterization 9211.
Myxococcus, sentialismosa, Staphylococcus aureus 3122.
Antibiotic Ta,
Myxococcus xanthus, biosynthesis, amino acids precursors 1421.
Antibiotic tolerance,
penicillin, Streptococus group B 7317.
Streptococcus 6343.
Streptococcus, penicillin, sereening methodology 1308.
Antibiotic U-63196E,
antibiotic U-63496E,
Antibiotic U-64846,
Streptomyces braegensis biosynthesis, isolation, characterization, antibacterial
activity 4877.
Antibiotic U-64846,
Streptomyces braegensis biosynthesis, isolation, characterization, antibacterial
activity 4877.
Antibiotic U-64846,
Streptomyces braegensis biosynthesis, isolation, characterization, antibacterial
activity 4877.
Antibiotic U-64846,
Streptomyces braegensis biosynthesis activity, Treponema
hyodysentenae, gram-negative bacteria 1442.
Antibiotic 2-11-A,
artucture, Streptomyces 6552.
Antibiotic 2-11-A,
artucture, Streptomyces 6552. structure, Streptomyces 6552. Antibiotics activity, relationship, structure, physiology, bacteria 9168. administration, antibiotic resistance, bacteria, animal isolates, cattle, dairies 9215.
quality control, antibiotic resistance, clinical microbiology 4688.
quality control, clinical microbiology laboratories, Norway 4040.
ritampia natibacterial activity 7447.
Rochailmaea quintana, characterization 6495.
Salmonella, clinical isolates 7414.
Salmonella gera, Salmonella sofia, Salmonella serotypes 7415.
Salmonella gera, Salmonella sofia, Salmonella serotypes 7415.
Salmonella solation, Italy 9160.
serum bactericidal activity, Staphylococcus aureus, media comparison, infection, man 4788.
standardization, bacteria cell culture 1380.
standardization, methodology 7401 430. antibacterial activity, biliary tract infection, Staphylococcus, bile salts ambacterial activity, biliary tract infection, Staphylococcus, bile salts effects on 4042.

antibacterial activity, books 8496.

antibacterial activity, calcium ionophores, Streptomyces coelicolor 2296. antibacterial activity, determination, counting methods 2239. antibacterial activity, infectious diseases chemotherapy, antibiotic resistance 5099. standardization, bacteria cell culture 1380. 
standardization, bacteria cell culture 1380. 
standardization, methodology 7401. 
Staphylococcus, clinical isolates 485. 
Staphylococcus, Streptococcus, clinical isolates, mastitis, buffaloes 4810. 
Streptococcus fraecalis 4806. 
Streptococcus group G, clinical isolates 4814. 
Streptococcus preumoniae, β-lactam antibiotics, rifampicin, vancomycin, 
cotimioxazoi 6503. 
Streptococcus, use, tetrazolium blue 3083. 
Streptococcus, use, tetrazolium blue 3083. 
uniany tract clinical isolates, methodology 3315. 
use, fungi, gram-negative bacteria, growth, synthetic media 9155. 
use hypersensitivity mutants, β-lactam antibiotics, bacteria 6496. 
Vibrio parahaemolyticus isolation, otitis media, man 3094. 
Vibrionaceae, antimal isolates 477. 
Yersinia enterocolitica, clinical isolates, animal isolates 7398. antibacterial activity, inhibition, protein biosynthesis, nucleic acids, cytoplasmic membranes, cell walls biosynthesis, tetrahydrofolate biosynthesis 9174. 9174, antibacterial activity reduction, Bactec test media, Thiol broth 6458, antibacterial activity, reviews 4068, antibacterial activity, stylews 4068, antibacterial activity, Staphylococcus aureus, phagocytosis, viability, photometry, methodology 6771, antibacterial activity, structure-activity relationships, clinical trials 9172, antibacterial activity, susuceptibility, stimulation, polymypins derivatives binding outer membranes, gram-negative bacteria 4803, antifungal activity, lelative inhibition factors measurements, dose-response effects 4017, antimicrobial activity, biochemical characteristics, reviews 6494, antimicrobial activity, clinical trials, pharmacokinetics, pharmacology, pediatrics, reviews 5942, antimicrobial activity, structure-activity relationships, antibiotic resistance 1376, antifumor activity. Russula emetics 6065. antitumor activity, Russula emetica 6065.

untibiotics, (continued) assays methodology 9173. Bacillus subtilis, production, oxafun, inhibition, antagonism, Phoma betae, rhizosphere 2139.

mizosphere 2139.

binding, alginic acid, role, antibiotic resistance, Pseudomonas aeruginosa 6411.

binding, serum proteins 8347.

biosynthesis, gene regulation, microorganisms 3374.

biosynthesis, genetic engineering, microorganisms 5764.

biosynthesis, imcroorganisms, pH levels 2246.

biosynthesis, microorganisms, pH levels 2246.

biosynthesis, microorganisms, pH levels 2246.

biosynthesis, recombination, Streptoverticillium mycoheptinicum × Streptomyces coelicolor 7411.

biosynthesis, relationship antibiotic resistance, bacteria, reviews 9057.

biosynthesis, verticicladiella liquid culture 972.

biosynthesis, Verticicladiella liquid culture 972.

books 1691

biosynthesis. Verticitadiella liquid culture 972.
books 1691.
chromatography, books 6795.
chromatography, books 67

Escherichia coli 6560. palladium detection, spectrophotometry methodology 496. peptides, structure, antibacterial activity, antifungal activity, Paecilomyces marquandii 8742. production, hottechnology, books 5091. production, biotechnology, books 5091. production, cloning vectors, genes, Streptomyces 4845. production, fungi, association, morphology 2255. production, furginamicial S synthetase multienzyme complexes, inactivation control, Bacillus brevis 1375. production, industrial apolications, fungi, vesats 9169. Bacillus brivis 1375.
production, industrial applications, fungi, yeasts 9169.
production industrial applications, fungi, yeasts 9169.
production industrial wastes, Pseudomonas solation R factors characterization, antibiotic resistance 2208.
production, microorganisms, books 9343.
production, oils sterilization, continuous culture, ferrmenters 9154.
production, optimization, ferrmentation, purification 4041.
production, packaging, standards, USSR 493.
production, packaging, standards, USSR 493.
production, Pseudomonas putida, Pseudomonas fluorescens, stimulation rats growth, Citrus jambhiri, Citrus sinnibiris, Citrus isensis 5625.
production, screening, Blastociadiales 528.
production, vastewater treatment isolates, bacteria 9234.
prophylaxis, endocarditis, man, dental plaque antibiotic sensitivity testing 2252.
purification, characterization, antibacterial activity, continued and activities a

prophylaxis, enocaratis, man, dental piaque antibiotic sersitivity testing 2252.

purification, characterization, antibacterial activity, antifungal activity, Streptomyces galbus 4881.

purification methodology, synthetic membranes 3074.

residues, feces, inhibition methanogenesis, digestion (anaerobic) 8396.

ribostamycin like, synthesis 5790.

sensitivity, anaerobic bacteria, inflammatory diseases, oral cavity, man 7405.

sensitivity, Escherichia coli injuries, cell surface hydrophobicity 2241.

Staphyloococus aureus, Enterobacteriaceae, growth, blood culture, correlation, hypertonicity 783.

sterilization, radiation 1378.

sterilization, radiation 1378.

sterilization, iMP biosynthesis, Brevibacterium ammoniagenes 115.

stimulation, iMP biosynthesis, Brevibacterium ammoniagenes 952.

structure, assays, conferences 847.

structure, esistance, artimicrobal activity, bacteria, reviews 2234.

structure-activity relationships, antibiotic resistance, mechanisms, reviews 9063.

9063
structure-activity relationships, reviews 9170.
susceptibility, antibacterial activity, membrane permeability mutants, gene mapping, Escherichia coli 4794.
susceptibility, envelopes, mutation, enhancement, Neisseria gonorrhoeae, clinical isolates 5761.
treatment, bacteria infection, man, books 2538.
treatment, little leaf, rickettsia-like organisms, mycoplasma-like organisms, disease transmission, Vissadula periplocifolia, Jamaica 2047.
treatment, selection, antibiotic resistance, bacteria, man 6404.
uptake, role antibiotic resistance mechanisms, bacteria, eviews 9049.
use, bacteria antibiotic resistance reclationship. hospitals 3030.

untibodies

adenovirus (human) 5 hexons, counter immunoelectrophoresis, immunodiagnosis 2439. adenovirus, hitmoeliulose enzyme-linked immunosorbent assay 5020. adsorption, immobilized cells, radiation polymerization assay 5020. adiatoxin Q1, production, use enzyme-linked immunosorbent assay 5743. Africa swine fever virus, detection, immunoperoxidase plaque assay methodology

Aspergillus fumigatus, detection, serological tests 5930.

Antibodies, (continued) association myocitoxins, production, use, detection, food contamination, serum levels, reviews 7082. avian encephalomyelitis virus, enzyme-linked immunosorbent assay use detection, chickens 5019.

cnickens 5019.

avian infectious bronchitis virus, infectious bursitis virus, Newcastle disease virus, detection, enzyme-linked immunosorbent assay, methodology 5017. bovine leukemia virus, detection, comparison, radioimmunoassay, immunodiffusion

Brucella abortus, detection, enzyme-linked immunosorbent assay methodology, pigs serum 5063.

serum 5063.

Brucella ovis, sheep, complement fixation comparison enzyme-linked immunosorbent assay, defection 4204.

buryavirus, defection, hemolysis methodology 4164.

Chlamydia trachomatis, immunofluorescence, respiratory tract diseases, man 4196.

Clostridium difficile toxins, defection, enzyme-linked immunosorbent assay 230.

Clostridium tetani, defection, radioimmunoassay 1610.

Clostridium tetani, enzyme-linked immunosorbent assay methodology, man 780.

Coccidioides immitis, detection methodology, complement fixation, immunodiffusion 1674. 1674

1674.

Coccidioides immitis, quantitation, complement fixation comparison immunodiffusion 815.

Coronavirus, detection, radioimmunoassay, enzyme-linked immunosorbent assay 2430. cytomegalovirus (human), detection, complement fixation, enzyme-linked immunosorbent assay, indirect fluorescent antibody test 1551. cytomegalovirus, screening, blood donors, methodology comparison 2448. detection, enzyme immunoassay methodology. Campylobacter fetus subsp.jejuni enteritis, man 782.

detection, enzyme immunoassay methodology, varicella-zoster virus membranes antigens 5880.

antigens 5880.

detection, enzyme-linked immunosorbent assay, immunodiagnosis, Chlamydia trachomatis, Chlamydia psittaci 4183.

detection, enzyme-linked immunosorbent assay, radioimmunoassay, arenavirus 8455. detection, hemagglutination inhibition, neutralization, avian infectious bronchitis virus, chickens 3245.

detection, hemorrhagic enteritis virus, gel diffusion, enzyme-linked immunosorbent assay, turkeys 4153.

detection, indirect fluorescent antibody test, mouse hepatitis virus infection, cell culture 590.

detection, protein A agglutination, Yerslnia pseudotuberculosis subsp.pestis 5029.

5029

2,3-dihydro-2,3-dihydroxyaflatoxin B1, production, cross-reactivity aflatoxin B1 3740.

3740.

enterovirus, serum, detection, radioimmunoassay 8448.
enzyme-linked immunosorbent assay detection, gram-negative bacteria endotoxins, blood 1939.
enzyme-linked immunosorbent assay, detection, use, influenza virus, protein M 1541.

Signature of the state of the s

Pasteurella, detection, indirect hemagglutination 723.
Pasteurella multocida, enzyme-linked immunosorbent assay, detection, chickens

Solva, poliovirus, titration, sensitivity, HEp-2 cells, Vero cells 5003. 
Pseudomonas aeruginosa sodium alginate extracellular polymers, detection, enzyme-linked immunosorbent assay 781. 
rabies virus, determination, counter immunoelectrophoresis correlation, fluorescent antibody test, rabbits 3250. 
respiratory syncytial virus, detection, enzyme-linked immunosorbent assay 1554. 
respiratory syncytial virus, detection, enzyme-linked immunosorbent assay methodology, comparison, complement fixation, neutralization 5008. 
rubella virus, detection, hemaggiutination inhibition 616. 
rubella virus, detection, latex aggiutination imhibition 616. 
rubella virus, detection, latex aggiutination methodology, comparison 1540. 
rubella virus, detection, latex aggiutination methodology, serum, man 1539. 
rubella virus, screening, hemolysis assays, man 6745.

7560

Antibodies, (continued) specificity, hepatitis B surface antigen synthetic peptides, vaccines, hepatitis B virus 6617.

specificity, respiratory syncytial virus, immunoprecipitation, electrophoresis, methodology 7566.

Streptococcus group B, enzyme-linked immunosorbent assay methodology, serum, man

3259.

steichoic acid, comparison, α-hemolysin, measuring techniques, diagnosis, bacteremia, endocarditis, Staphylococcus aureus, man 7620.

tick-borne encephalitis virus, immunoglobulin M, detection, indirect fluorescent antibody test, 2-mercaptoethanol, man 7557.

togavirus, detection, hemolysis, use sercepidemiology, man 4996.

turesplasma urealyticum, detection, enzyme-linked immunosorbent assay optimization

4176.
varicella-zoster virus, detection, use, anti complement immunofluorescence, serum, man 1566.
vesicular stomatitis virus, detection, counter immunoelectrophoresis, methodology

Antibody response,
Antibody response,
Aspergillus fumigatus, measuring techniques, enzyme-linked immunosorbent assay,
diffusion tests 2533.

Antibody response, measuring techniques, enzyme-linked immunosorbent assay,
diffusion tests 2533.

diffusion tests 253.

BK vins, immunoglobulin G, immunoglobulin M, serum levels, radioimmunoassay, methodology 9279.

combined vaccines, synthetic peptides, Corynebacterium diphtheriae toxins, Streptococcus, hepatitis B surface antigen, mice 9219.

Streptococcus, hepatitis B surface antigen, mice 9219.

oth cholera vaccination, enzyme-linked immunosorbent assay, indirect hemagglutination, chickens 3343.

influenza virus hemagglutinins genes, vaccinia virus transfection, hamsters, rabbits 4887.

mumps virus vaccines, enzyme-linked immunosorbent assay comparison neutralization 2436.

rabies virus vaccines, membranes glycoproteins, lysosomes incorporation, mice 6660.

synthetic peptides, paimitic acid carriers, vaccines 6588. synthetic peptides, paimitic acid carriers, vaccines 6588. vaccines, Neisseria meningitidis lipopolysaccharides conjugation Clostridium tetani toxoids, rabbits 1453.

vaccines, Streptococcus pneumoniae, capsules polysaccharides, enzyme-linked immunosorbent assay, children 682.

immunosorbent assay, children 682.

Articapain,
inactivation, glycosaminephosphate isomerase (glutamine-forming) activity,
Escherichia coli, Pseudomonas aeruginosa, Arthrobacter aurescens, Bacillus
thuringlienis 6043.
inhibition, bacteria, glucosaminephosphate isomerase (glutamine-forming) 8382.

Articaraia germatalia,
biological control, optocoliology, Nomurasa riley; 5214.
begin control, optocoliology, Nomurasa riley; 5214.
Nomurasa riley, Pseudoplusia includens 5212.

Artiform acets.

Nomuraea rileyî, Pseudoplusia includens 5212."
Anthoam agents,
effects on bittemess compounds formation, fermentation, beer, yeasts 3587.
Anthungal agents,
aflatovin B1 production, effects on, Aspergillus parasticius 3745.
+amphotericin B+rifampicin, antifungal activity, Aspergillus 5785.
antibiotics, antifungal activity, relative inhibition factors measurements,
dose-response effects 4017:icus aflatoxins, acetic acid incorporation 217.
easociation, Aspergillus parasticus aflatoxins, acetic acid incorporation 217.
clinical aspects, antifungal activity, pharmacokinetics 2222.
disease control, disease resistance, Brassica, clubroot, Plasmodiophora brassicae
disinfection 1342

disinfection 1342

disintection 1942.
drug sensitivity testing, Candida albicans, Aspergillus fumigatus 8308.
effects on growth, Aspergillus flavus, Aspergillus parasiticus 4019.
Prinus densifictora wood, disease resistance, Forms annosus 354.
Prinus densifictora wood, disease resistance, Forms annosus 354.
Structure, resistance, antimicrobial activity, fungi, reviews 2234.

activity, unique, resistance, antimicrobial activity, unique, reviews 2.294.

Antigen,
detection, enzyme-linked immunosorbent assay methodology, serum, man 8456.

Antigen;
detection, hepatitis B virus infection, radioimmunoassay solid phase methods, man 8454.

8454.
Antigen O., latex aggluntation, serotyping, Klebsiella 9320. lipopolysaccharides structure, Vibrio choleraa 3529. polysaccharides structure, Escherichia coli 1826. polysaccharides structure, Escherichia coli 4364. polysaccharides structure, Escherichia coli 4364. polysaccharides structure, Shigella dysenteriae 1827. Salmonella, vaccines production, immunogapincily 2322. Vibrio cholerae, oligosaccharides structure 1825.

Safmonella, vaccines production, immunogenicity 2322.
Vibrio cholerae, oligosaccharides structure 1825.
Antigen T,
SV40, DNA binding sites, monoclonal antibodies, immunoassays 589.
Antigen VI,
Salmonella typhi, detection, agglutination, comparison, enzyme-linked immunosorbent assay, use, diagnosis 683.
Antigen-antibody complexes, electron microscopy, detection, viruses 653.
Antigen-antibody interactions, pili, antigenic determinants, structure-activity relationships, synthetic peptides, Escherichia coli 6657.
Antigenemia, diagnosis, agglutination methodology, Legionnaire's disease, man 1587.
Antigenemia, Bacillus thuringlensis subsp. colmerl, pathogenicity, Insecta 6913.
Indidangea mosaie virus, plant viruses, isolation, Hydrangea macrophylla 2017. Iuteovirus, identification, Graminese, China, People's Rep. 8796.
Verticillium albo-atrum condida, relationship virulence, Humulus lupulus 2006.
Antigenic detarminants, capsici protein, vaccines production, poliovirus 6614.
Sycapholieria, herpes simplex virus 1, gene expression, use vaccines production, glycoproteins, localization, la coles production, rabies virus 6632.
gram-negative bacteria Hybrids, vaccines production 6644.
hepatitis B surface antigen, vaccines, hepatitis B virus 6612.
pili, synthetic peptides, structure-activity relationships, antigen-antibody interactions, vaccines, Escherichia coli 6657 proteins, recovirus serrolytes, vaccines production, fe13.
synthetic proteins, vaccines production, immunogenicity, herpes simplex virus 6639.

Antigenic variants,

Anugenic veriants,
grapevine Bulgarian latent virus, characterization, plant diseases 5451.

Antigenicity,
antigens, vaccines production, feline panleukopenia virus 6619.
foot-and-mouth disease virus synthetic peptides vaccines 6659.
an hemagglutinins, expression, cloning vectors, vaccines production, influenza virus

6636
neurotoxins multiple forms, comparison, Clostridium botulinum 6213.
poliovirus 3, vaccines production 6824.
polysacorbarides, structure, Shigelia dysenteriae 4363.
regional des structure, Shigelia dysenteriae 4363.
regional des securitarios de comparison de compa

vaccinies, Samoneia typin, Snigeria sonieri association 1939.

tritigens, adenovirus, detection, enzyme-linked immunosorbent assay 623. adenovirus, nitrocellulose enzyme-linked immunosorbent assay 5020. African swine fever virus, detergents solubilization, vaccines, immunity, pigs 1452

1452.
antigenicity, vaccines production, feline panieukopenia virus 6619.
bacteria, cerebrospinal fluid, detection, agglutination comparison counter
immunoelectrophoresis 2485. latex agglutination, use, Haemophilus
influenzae, comparison, Streptococcus pneumoniae, Neisseria meningitidis, man 3310

Salto.

Bacteroides fragilis, detection, enzyme-linked immunosorbent assay, urine, experimental infection, rats 6772.

Bacteroides fragilis, enzyme-linked immunosorbent assay detection, urine, man 7604.

7604.

blood group O, use, Enterobacter cloacae serotyping 3296.

bluetongue virus, electection, immunodiffusion 4989.

bluetongue virus, epizotic hemorrhagic disease virus, preparation methodology,
use, gel diffusion 3240.

Brucella abortus, agglutination, Rose Bengal plate test, immunodiagnosis,
brucellosis 7589.

brucellosis 7589.

Brucella brutus, detection, enzyme-linked immunosorbent assay 6763.

Brucella, identification, agglutination 6759.

Candida albicans, detection, enzyme-linked immunosorbent assay methodology 2523.

capsules, polysaccharides, carbohydrate composition, Klebsiella pneumohiae 4361.

Chlamydia, purification, ion-exchange chromatography 728.

cloning, gene expression, noutralization, vaccines production, herpes simplex cloning, gene virus 6610.

colonization factors, Escherichia coli, hemagglutination, clinical microbiology

comparison, African swine fever virus, immunodiagnosis, enzyme-linked immunosorbent assay 1542.
Cryptococcus neoformans, detection, body fluids, methodology comparison, man 2531.

2531.
cytomegalovirus (human) envelopes, vaccines, immunity (cell-mediated), immunity (humoral), guinea-pigs 4072.
Dematophilus congolensis, precipitation methodology comparison 1627.
detection, agglutination, Streptococcus group A 1595.
detection, arzyme-linked immunosorbent assay, Chlamydia 5068.
detection, przyme-linked immunosorbent assay, radioimmunoassay, arenavirus 8455.
detection, protein A agglutination, arbovirus 4991.
detection, protein A agglutination, Yersinia pseudotuberculosis subsp.pestis

Epstein-Barr virus, antibodies, detection, enzyme-linked immunosorbent assay

Epstein-Barr virus, immunoprecipitation, methodology 647. equine infectious anemia virus, detection, enzyme-linked immunosorbent assay methodology 4162. fragments, trisaccharles synthesis, Shigella flexneri 6050. fungi pathogens, disinfection, thimerosal, formaldehyde, clinical microbiology 810.

810. genes cloning, vaccines production, genetic engineering, viruses 5807. genes cloning, vaccines production, rotavirus 6843. genetic engineering, vaccines, hepatitis 8 virus, characterization 6640. Haemophilus influenzae b polyribose phosphate, detection, agglutination tests, body fluids, man 1584. Haemophilus influenzae, isolation, vaccines production, immunogenicity, cattle 4805.

4895

Haemophilus influenzae, lung, agglutination detection, pigs 2520. Haemophilus influenzae type b, detection methodology comparison, body fluids, mar 4189.

189: Haemophilus influenzae type b, latex agglutination, comparison, pody huids, m 4169: Haemophilus influenzae type b, latex agglutination, comparison, phadebact test, detection, cerebrospinal fluid 795. herpes simplex virus 1, detection, enzyme-linked immunosorbent assay, cerebrospinal fluid, encephalitis, man 652. herpesvirus (equine) 1, detection, enzyme-linked immunosorbent assay 3246. La Crosse virus, enzyme immunosassy, Aedes triseniatus 609. Legionelia pneumophila, use, indirect fluorescent antibody test, heat treatments, comparison, formalin 792. lipopolysaccharides, carbohydrate composition, structure, Shigelia boydin 4362. lipopolysaccharides, carbohydrate composition, structure, Shigelia boydin 4362. Mycoplasma gallisepticum, Mycoplasma synoviae, yields, phl, effects on 5022. Neisseria gonorrhoeae, detection, enzyme immunosassy 4180. nucleocapsids, pseudorabies virus, use, skin tests, pigs 617. Paracoccidioides brasiliensis, production methodology, immunodiffusion relationship 4228.

relationship 4228, peptide synthesis, use vaccines 4888, plant viruses, Oryza sativa, detection, latex agglutination 5416, production, hepatilis A virus cell culture, immunodiagnosis methodology 5007, protection, toxins, genes, Bacillus anthracis, cioning 1083. Pseudomonas aeruginosa capsules, use complement fixation assays 2467, rabies virus, immunoelectron microscopy, localization, central nervous system, embedding, methodology 4999. localization, central nervous system, embedding, methodology 4999. localization, central nervous system, embedding, methodology 4999. Rickettis prowazekii, preparation, activity determination 182. rinderpest virus, detection, complement fixation methodlogy 3257. rotavirus (human), detection, immunoassays solid-phase methods, feces, children 4169.

screening, use, phage λ plaques 624. skin tests, immunoassays, varicella-zoster virus 8447.

Staphylococcus aureus, detection, enzyme-linked immunosorbent assay methodology and trium or artibiotics, akrobomycin, production, isolation, characterization, Actinomadura roseoviolacea 3541.

Streptococcus group B, detection, enzyme immunoassay methodology, man 5065. Streptococcus group B, detection, enzyme immunoassay methodology, and 5065. Streptococcus group B, detection, enzyme immunoassay methodology, and 5065. Streptococcus group B, detection, enzyme immunoassay methodology, and 5065. Streptococcus group B, detection, munoassay methodology, and 5065. Streptococcus group B, detection, enzyme immunoassay and streptococcus group B, detection, enzyme immunoassay and streptococcus group B, detection, enzyme immunoassay and enzyme immunoassay enzym

Antinflammatory agents, non-steroidal artifulamentory drugs, free radicals, superoxide, hydroxide, inactivation, phage 12 4769.

Antimicrobial agents, antibiacterial activity, urine specimens 3048, antibiacterial activity, urine specimens 3048, antibiacterial activity, Candida albicans, Staphylococcus aureus, Escherichia coli, tissue culture, Peganum harmais a336. antimicrobial activity, distinfectants, antiseptics, preservatives, bacteria, viruses, fungi 9137.

antimicrobial activity, incroorganisms, books 9343. assays methodology 9173. assays methodology 9173. bacteriotassis, bactericidal activity, Bacteroides fragiliis, clinical isolates 7402. concentration, drug sensitivity testing, computer applications 4006.

74Uz.

concentration, drug sensitivity testing, computer applications 4006.

dentures, sanitizers, bacteria, fungi 2420.

drug sensitivity testing, antibacterial activity, antifungal activity, efficacy 9138.

+EDTA-tromethamine, antibacterial activity, gram-positive bacteria 4816. inhibition, bacteria spores, food industry 7028. preservatives, effects on Aspergillus flavus aflatoxin B1 biosynthesis, in vitro

7095.
removal equipment, use, recovery, fungi, bacteria, man 3228.
structure-activity relationships, reviews 9170.
susceptibility, agar diffusion test quality control 1379.
nthrycobacterial agents,
drug resistance, Mycobacterium, reviews 9061.
fatty acids, antibacterial activity 8298.
sodium hydroxide, bactericidal activity, Mycobacterium 3044.
ntheoplastic drugs,
antibicational activity 6487.
ntloxidants,
butylated hydroxyanisole, butylated hydroxyfoluene, antimicrola Articoxidanta, butylated hydroxyfoluene, antimicrobial activity, food, reviews 8717.
production, structure, fermentation, Penicillium janthinellum 4397.
stabilization, amphotericin B, antifungal activity, Candida albicans 1406.
Articeptics, antibacterial activity, surfactants effects on 9261.
antimicrobial activity 9137.
antimicrobial activity, methodology 1525.
antiviral activity, rotavirus (human) 2232.
disease control, surgery, environmental hygiene, hospitals 1518.
disinfection, skin microflora, animal models 4141.
iodine, antimicrobial activity 2416.
triclosan, antibacterial activity 4011.
Articera,

Antitoxins.

Introxins,
Clostridium tetani, detection, enzyme-linked immunosorbent assay, neutralization, serum, man 4488.
Clostridium tetani, hemagglutination, enzyme-linked immunosorbent assay, neutralization 5383.

neutralization 5383.

Antitranspirarnets,
use, disease control, leaf blotch, Septoria tritici, Triticum aestivum, powdery
mildew, Erysiphe graminis, Hordeum vulgare 291.

Antitubercular agents,
antibiotic DL 8280, antibiotic resistance, Mycobacterium tuberculosis 7344.
antibiotic DL 8280, antibiotic presistance, Mycobacterium tuberculosis 9084.
disinfection, Mycobacterium tuberculosis 1319.
drug resistance, drug sensitivity testing, Mycobacterium tuberculosis 4717.
drug resistance, drug vensitivity testing, clinical isolates, USA, Texas 6422.
drug sensitivity testing, drug resistance, clinical isolates, Mycobacterium
tuberculosis 6443.

drug sensitivity testing, Devophacterium fortuitum 4719.

drug sensitivity testing, Mycobacterium fortuitum 4719.

+ minocycline, anithacterial activity, Mycobacterium tuberculosis 4722.
pharmacology, reviews 5725.
sufaniamido-naphthoquinones derivatives, synthesis, antibacterial activity,

Antitubercular agents, (continued)
Spiroplasma citri, antisera, Vinca rosea infection pathogenesis 1968.
Spring viremia of carp virus, detection, immunoperoxidasetest, fluorescent antibody test, organs, Cyprinus carpio 5888.
Staphylococcus aureus, detection, enzyme-linked immunosorbent assay methodology Antitumor antibiotics, akroboven datacology and titreduce methodology with the continued of the continued of

4024.

4024.

4024.

4024.

4024.

4026.

4027.

4027.

4027.

4028.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

4030.

40

Antiermicin A, antibacterial activity, Bacillus subtilis 5798.

antibacterial activity, bacillus suurius 0796.
Apalcillin,
antibacterial activity 4840.
antibacterial activity, anaerobic bacteria 3101.
antibacterial activity, comparison, piperacillin, carbenicillin 6527.
antibacterial activity, Pseudomonas aeruginosa 9192.
disc-diffusion test, antibiotic sensitivity testing, quality control 7439.

oospores, spore germination, viability, tetrazollum bromide staining 805.

Aphanomyces eutleches, root rot, disease resistance, Pisum sativum, plant breeding 2852.

Aphelenchus, predator-prey interactions, nematophagous fungi, Mexico 2126.

Aphelenchus avenae, leeding, soil microrganisms 7263. leeding, soil microorganisms 7263. mycophagy, population levels, relationship mycoflora, soil, forests, Pinus radiata, crop fields. Triticum aestivum 8223. Aphildicolin,

nhibition, DNA biosynthesis, archebacteria 7368.

inhibition, DNA biosynthesis, archebacteria 7368.
Aphildidee,
association, helper factor, disease transmission, tobacco etch virus, Nicotiana
tabacum 4552.
biological control, Entomophthora planchoniana cell culture methodology 5938.
biological control, fungi, conferences 5944.
biological control, fungi, surveys, crop fields, British Isles 5233.
biological control, inoculum production, Conidiobolus obscurus, Erynia neoaphidis
5231. biological control, research programs, Verticillium lecanii, Entomophthorales 5232.

disease transmission, Dioscorea ring mottle virus, host range, Dioscorea alata

3828.
honeydew, enhancement, Septoria nodorum, Cochliobolus sativus, infection, Triticum aestivum 3806.
Integrated control, carbaryl+iprodione+Verticillium lecanii, inhibition, spore germination 2654.
vectors, berley yellow dwarf virus infection, Gramineae, interaction 1989.
vectors, disease spread, bean yellow mosaic virus, subterranean clover red leaf virus, epidemiology, Vicia faba 5405.
Aphla craccivora,

inticosan, antibacterial activity 4011.

Integera, antibacterial activity 4012.

Integera, antibacterial activity 4011.

Integera, antibacterial activity 4011.

Integera, antibacterial activity 4011.

Integera, antibacterial activity antibacterial activ vectors, cowpea aphid-borne mosaic virus disease transmission, Vigna unguiculata infestation resistance 7137.

identification, Bacillus 9317. identification, clinical isolates, aneerobic bacteria 7595. identification, Clostridium difficile, methodology 7609. identification methodology, Enterobacteriaceae 732. identification methodology, Pseudomonas pseudomallei 2469. identification, Staphylococcus, cattie animal isolates 3271. identification, Staphylococcus, methodology 3273. identification, Streptococcus, methodology 3274. Rapid STREP, identification, Streptococcus yellogy 3274. Staphylococcus hylous, identification 719. Staphylococcus hylous, identification 719. Staphylococcus identification 3308. piculture,

Apiculture,
Apis mellifera, anesthesia, burning, Langermannia wahlbergi 4230.

Apls, vectors, Erwinia amylovora fire blight, disease transmission, Pyrus communis 5442.

Apis mellifera, anesthesia, burning, Langermannia wahlbergi, apiculture 4230. viruses, antisera production 5891

Aplum graveolens,
Fusarium oxysporum f.sp.apii yellows, disease resistance, inheritance 8066.
nitrogen uptake, Glomus mosseae 1259.
yellows, non-pathogenic strains, biological control, Fusarium oxysporum f.sp.apii

Anodemus agrarius.

cell culture, propagation, epidemic hemorrhagic fever virus 7564. Apotrisporin,

characterization, Blakeslea trispora 6064.

Apple chlorotic leafspot virus, infection, Malus, long-term effects 6250.

Apple mosaic virus, onzyme-linked immunosorbent assay 6249. rose mosaic disease, Rosa corymbifera 8820.

rose mosarc disease, rross corynomera oscor.

Apples, calcium, treatment, effects on, Penicillium expansum, post-harvest decay 3850, fruit juices, fruit concentrates, patulin detection, screening methodology, gas chromatography 7096.
incidence, penicillic acid, India 7090.
post-harvest decay, fungi, disease control, dichloronitroaniline, o-phenylphenol

post-harvest decay, rungi, cisease currun, cumonosticument solution, 8052. spoilage, Eurotium amstelodami, Saccharomyces rouxili, water content effects on, mathematical models 8877. Appressoria, formation, Uromyces phaseoli infection, plants, factors affectling 1964. penetration, Erysiphe graminis f.sp. hordeli, powdery milidew, host-pathogen interactions, Hordeum vulgare 8788. penetration, Pyricularia oryzae, isoprothiolane inhibition, blast, Oryza sativa 2802.

2692. Pyricularia oryzae, penetration, cell walls, tricyclazole inhibition, Oryza sativa 2092. Pyriculana urya-sativa 2092. Apramycin, resistance, mechanisms, Escherichia coli 5719. Aptenodytes patagonicus, colonies, nitrogen cycle 9003.

colonies, nitrogen cycle 9003.

Aqueculture,
Bivalvia, viruses carriage, public health risks, reviews 2386.
Ictalurus punctatus, Aeromonas hydrophila population levels, culture systems 6707.

6707.

soa water nitrification, filters, nitrifying bacteria 1668.
use, digestion (anaerobio), industrial wastes, methanogenesis 8404.
wastewater treatment association, Hypophthalmichthys molitirs, Aristichthys
nobilis, levels, fecal coliforms, Streptococcus, Salmonella, viruses 1463.

Aquaspirillum magnetotacticum,
nitrogen fixation 3968.

Aquatic bacteria,
biodegradation, oil dispersants, sea water 1876.
biomass measuring techniques 9462.
five, detection, fluorescent diacetate, fluorescent probes, fresh water 7534.

Aquatic communities,
microorganisms, toxicants effects on metabolism, measurements methodolog

Aquatic communities, microorganisms, toxicants effects on metabolism, measurements methodology 1535. Aquatic environment, Epicoccum nigrum, Cladosporium cladosporioides, biodegradation, Alnus leaves 184. fungicides, arrifungal activity screening 2893. isolation methodology, nitrifying bacteria 6774. poliutants, toxicity testing, bioassays, luminous bacteria 1601. sediments, bacteria biodegradation monohalogenated biphenyls water pollution

3682 Vibrio cholerae detection, indirect fluorescent antibody test 9286.

Vibrio cholerae detection, indirect fluorescent antibody test 9286.

Aquatic microorganiams,
aniline biodegradation, metabolic pathways 8688.
biodegradation assays, chemical pollution, rivers 2329.
biodegradation, diethyl phthalate 7837.
biodegradation, o-phenylphenol, rivers 7836.
avudates, inhibition, biodegradation, xenobiotics, bacteria 8687.
microbial pollution, indicator species, water pollution, reviews, bibliographies 4944

phenois biodegradation, water pollution, pollution effects 5812. soft rot, biodegradation, wood, reservoirs, sub-polar environments 7838. Aquifers, creosote contamination, biodegradation, methanogenic bacteria, Pseudomonas

creosote contamination, biodegradation, methanogenic bacteria, Pseudomonas stutzeri 5815.
ground water, bacteria, community structure, biomass, nutritional status, indigenous species 5817.
ground water, indigenous species, bacteria, actinomycetes, yeasts, vertical distribution 5816.
ct-L-Arabinofuranosidase,
Aspergillus furnigatus, spectrophotometry 837.
enzymatic activity production, Cellulomonas growth, carbohydrates substrates 32.
extracellular enzymes, characterization, Erwinia carotovora 5133.
Pseudocerosporella herpotrichoides, biosynthesis, activity, isolation, characterization 7761.

Ruminococquis albus, purification, physicochemical proporties, role, bytrolysis.

characterization 7761.
Ruminococcus albus, purification, physicochemical properties, role, hydrolysis, cell walls 5121.
cell

Arabinosyl hypoxanthine, antiviral activity, herpes simplex virus 2 9114,

Arabis mosaic virus,

disease transmission, Xiphinema diversicaudatum, plants 6272. pathogenesis, light intensity, Cucumis sativa 2009. Arabitol,

conversion, Gluconobacter suboxydans immobilized cells, D-xylulose production 949.

leafspot. Cercospora arachidicola, disease resistance 5491

leatspot, Cercospora aracniciona, disease resistance 3491.

Arachis hypogaea,
aflatoxins levels 7041.

Basidiomycetes plant diseases, pathogenesis 1111.

black rot, Cylindrocladium crotalariae, crop rotation effects on disease

black rot, Cylindrocladium crotalariae, crop rotation effects on disease resistance 5490. black rot, Cylindrocladium crotalariae, fertilizer applications effects on 8772. blight, Scierotinia minor, South Africa 5410. cultivars, germplasm, disease resistance, peanut mottle virus infection 8061. disease resistance, black rot 8105. disease resistance, black rot 8105. disease resistance, Cylindrocladium crotalariae root rot, plant breeding 1171. genotypes, comparison, black rot virulence, plant breeding 8084. leafspot (Sercospora arachidicola, Cercosporidium personatum, pathogenesis, effects on growth 7945. leafspot (Sease control), Cercospora arachidicola, Cercosporidium personatum

nodules, Rhizobium bacteroids, nitrogenase, acetylene reduction, oxygen effects

nodules, Hrizobium bacteroids, Introgenase, acetylenie reduction, buygen ellects on 7291.
phyllody, mycoplasma-like organisms, leaves lesions, uttrastructure 8773.
phytopathogenic fungi pod rot, calcium levels effects on pathogenesis 1121.
plant diseases, cowpea mild mottle virus, epidemiology 6235.
plant diseases, groundnut rossette virus, defection 4504.
Pseudomonas solanacearum wilt, soil, water availability, effects on pathogenesis

249

249.

Rhizobium inoculation, field trials 4646.

Rhizobium isolates, growth rate, inhibition, pH, salinity 2170.

Rhizobium, nitrogen fixation, characterization 9019.

root rot, Cylindrocladium crotalariae, factors affecting, pathogenesis 7942.

root rot, Pythium myriotylum, disease control, gibberellins, foliar application 322.

rust, leaves phenolic acids levels association 8771. Sclerotium rolfsii stem rot, spatial distribution, crop fields, USA, North Carolina 7134.

Carolina 7134, seed treatments, fungicides 1229. seeds infection, peanut mottle virus, transmission (seed), enzyme-linked immunosorbent assay screening 8769. stem rot, Scienrotium rofisii, epidemiology, factors affecting 6239. vesicular-arbuscular mycorrhizas, stimulation, growth, nutrient uptake, Glomus fasciculatum 5641. yield, leafspot, Cercospora arachidicola, Cercosporidium personatum, effects on 7934.

vield reduction, black rot, Cylindrocladium crotalariae, mathematical models 242.

cucumber mosaic virus detection, China, People's Rep. 6229.

Arbutus unedo, mycorrhizas, symbiosis, ultrastructure 4622. Archebacteria, aphidicolin inhibition DNA biosynthesis 7368.

aphilicular influidure Divey Dissynthesis 7366.
Archips podans,
nontarget organisms, granulosis virus biological control effects on, orchards,
Cydia pomonella 4387.
Arctic,

mycorrhizas, Basidiomycetes, ecological distribution, conferences 2546. Areca, rhizosphere microorganisms, vertical distribution 5646.

mizosphere microorganisms, ventical distribution 5646.

Areca catechu,
nuts, incidence, patilin, India 7087.
pathogenesis, Phytophthora parasitica var.piperina, oil cake, effects on 8138.
roots, Ganoderma lucidum infection, detection methodology, fluorescent antibody
test 7160.

Arenavirus,

enterruts, antigens, antibodies, detection, radioimmunoassay, enzyme-linked immunosorbent assay 8455. antiviral activity, synergism, selenazofurin, tiazofurin, ribavirin 9117.

amuvral activity, synergism, seienazorunn, nazorunn, nnavirin et i r. Argentina, fungi, species composition, soils, Nothofagus dombeyi forests 3906. Helianthus annuus seeds, mycoffora, aflatoxins detection 7061. plants, veelcular-arbuscular mycorrhizas determination, soil types association

3939 Arginine,

genes, role, Escherichia coli mutagenicity testing 6775. radioactive labelling, M.M.R., streptothricin biosynthesis, Streptomyces 6569. Arginine dihydrolase, detection, methodology, bacteria 772.

detection, methodology, bacteria 772.

Arristichtrys nobilis,
aquaculture association wastewater treatment, levels, fecal coliforms,
Streptococcus, Salmonella, viruses 1463.

Armilitaria luteobubalina,
dieback, electrical impedance, Eucalyptus obliqua, Eucalyptus globulus
subsp.bicostata 2117.

Armilitaria mellea,
collonization, dieback, association ethanol levels, defoliation, Quercus velutina,
Quercus alba 5586.
disease control. compostina, crop residues 2842,

disease control, composting, crop residues 2842. infection, Pinus sylvestifs roots, fertilizer applications effects on 2923. infection, Pinus sylvestifs roots, fertilizer applications effects on 2923. infection, relationship growth rings, Picoa ables 355. pathogenicity, Picoa ables, Fagus sylvatica 353. root rod, Conflierales, succeptibility, relationship, soil nutrients, soil pH root rod, Conflierales, succeptibility, relationship, soil nutrients, soil pH

roots infection, decline, Picea rubens 8948.

roots, plant diseases, +Cronartium ribicola blister rust, association, Dendroctonus ponderosae, Pityogenes lossifrons, Pinus monticola, USA, Idaho 8182 Armoracia rusticana, Spiroplasma citri brittle root disease, cauliflower mosaic virus, turnip mosaic virus, infection effects on 8020.

virus, infection effects on 8020.

Aroma,
freezing effects on, Tricholoma equestre, Xerocomus badius 7856.
sausages, satter cultures, actinomycetes, yeasts 7858.
wine, role, Botrytis cinerae esterase activity 4410.

Aroma compounds,
champagne, Saccharomyces effects on 4417.
identification, gas chromatography, I.R. spectroscopy, champagne, biosynthesis,
Saccharomyces 7813.

Aroma compounds, (continued)
organoleptic evaluation, musts fermentation, wine production, Schizosaccharomyce
acidodevoratus 6933.
production, dairy starters Leuconostoc cremoris, mutagenesis, U.V. radiation,
N-nitroso-N-methyl-N-introguanidine 1906.
surfaces microflora, interaction Penicillium camemberti, ripening, Camembert

cheese 6186.

cheese 6186.

Aromatic compounds,
adsorption, carbon (activated), biodegradation, wastewater treatment 1475.
biodegradation, alcohol dehydrogenase (NaD(P)\*), purification,
characterization, Rhodopseudomona sacidophila 7692.
biodegradation, anaerobic bacteria, dehalogenation pathways 2701.
biodegradation pathway, characterization, plasmids genetic control, reviews 8279.
carbon sources, soil, role inoculum survival, Rhizobium leguminosarum
var.trfolii 3961.

carbon sources, seil, role inoculum survival, Rhizobium leguminosarum var triolii 3981 digestion (anaerobic), reviews 7830, Frankia, effects on actinormizas 4595, +halogens, microorganisms biodegradation, mechanisms, reviews 7826, hydrocarbons, biodegradation, reviews 8278, inhibition methanogenesis, digestion (anaerobic), wastewater treatment 4680, Laccaria laccata, ectomycorrbizas, biological control, Fusarium oxysporum, root not, Pseudotsuga menziesii 5562, nitrogen containing, bacteria, biodegradation 1005, oxidation, laccase, Fusarium 5977, ozonation, biodegradatibility, wastewater treatment 2371, removal, carbon (activated) adsorption, biodegradation, water treatment 7502, storage cells, leaves, arrithrugal activity, Cercospora rodmanii, Acremonium zonatum, role disease resistance, Eichhornia crassipes 8813, substitued, induction catechol 1,2-dioxygenase, catechol 2,3-dioxygenase, Nocardia corralina 912. Xenobiotics, industrial wastes, biodegradation, bacteria 8393.

Aromatio-L-amino sed aminotransferase, chiaracterization, Candida matiosa 8582, chiorination, biodegradation, Totalogia, et aliconomical decarboxytisee, pyridoxal 5175.

Arphia conspersa, entompoxytirus infection, use biological control 6905.

Arsenic, nitrification inhibition, mathematical models 2358.

Arsenic, nitrification inhibition, mathematical models 2358

oli, shales, microorganisms, role, solubilization 9029.
oxides, inhibition Rhizobium leguminosarum var.trifolii nodulation, Trifolium 7294.

removal, sulfur compounds, mixed culture, Thiobacillus ferroxidans, Thiobacillus thioxidans 8261.
resistance, relationship β-lactamase levels, clinical isolates, Staphylococcus aureus 2203.
reenic acid,

Medicago sativa treatment, nitrogen fixation, leghemoglobin, nodulation, biomass

2901. resistance, R factor R773, homology, R factor R46, Escherichia coli 3026. resistance, relationship streptothricin, biosynthesis, Streptomyces noursei 7470. resistant mutam, relationship streptothricin biosynthesis, Streptomyces noursei 6572

Artemisis herbs-alba, plant extracts, antifungal activity, aflatoxins biosynthesis, Aspergillus flavus 7897

Arthrobacter,
biodegradation, lignocelluloses, effects on, digestibility, Ruminantia 7882.
biological control, pitch canker, Fusarium moniliforme var.subglutinans, Pinus 2918.

2918.
glucose isomerase, production, characterization 2618.
hexadecane metabolism, inclusion bodies ultrastructure 5705.
hysis, Candida pseudotropicalis, Geotrichum candidum, single-cell protein production 6815.
neuraminidase, immobilized enzymes, use agarose 2580.
peanuts lignin biodegradation 177.
phenol biodegradation, carbon (activated) adsorption, water treatment 7500.
L-phenylalanine conversion, phenethyl alcohol production, cheese ripening 6993.
resting cells, glycolipids biosynthesis, structure, surfactants activity 7777.
use, waste treatment, activated studge, pentachlorophenol containing synthetic wastes 1509.

use, waste treatment, activated sludge, pentachlorophenol containing synthetic wastes 559.

Arthrobacter aureacens, glycosaminephosphate isomerase (glutamine-forming) activity, anticapsin inactivation 6043.

Arthrobacter globiformis, immobilized cells, limonin levels, fruit juices, bitterness reduction 5338.

'immobilized cells, steroids conversion 104.

Lysine production, hydrocarbons, carbon sources, nutrient requirements 4265. xyfose isomerase continuous culture, batch culture, production 8870.

Arthrobacter almplex.

xyriose isomerase commons country, passification of 0.

Arthrobacter simplex, immpbilized cells, hydrocortisone supersaturation, 3-oxosteroid \$\times\$ -d-ehydrogenase activity 3523.

Arthrobacter ureafactens, inclin fructotransferase (depolymerizing) biosynthesis, factor affecting 4340.

Arthrobotrys, nematophagous fungi, predator-prey interactions, Rhabditis, Aphelenchus, Mexico

2126
Arthrobotrys Irregularis,
pest control, soil properties, pesticide residues effects on, Meloidogyne 5218.
Arthrobotrys oligospora,
predator-prey interactions, Nematoda, transmission electron microscopy 2125.
Arthrospores,
cephalosporin C production association, Acremonium chrysogenum 4829,
spore germination, germ tubes formation, antifungal activity, Trichophyton
mentagrophytes 5738.
Trichophyton mentagrophytes, imidazoles sensitivity 1340.
Artgomycin,
biosynthesis, antitumor activity 960.
Aryl-furfurane,
derivatives, antiviral activity 4764.

1-Aryl-2-nitro-propane-1,3-diols, s derivatives synthesis, antifungal activity, Helminthosporium sativum 3061. 3-Aryl-2-nitroprop-2-enyl esters, derivatives synthesis, antifungal activity, Helminthosporium sativum 3061.

derivatives symmesis, animonguralistics, and consideration of the consid

Usernatives, aintongar acurviy, curvitaria verruciorinis, Aiternat 5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

5521.

Ascocarps, ethylene production, forests, Elaphomyces, Sweden 351. harvesting, Tuber melanosporum 3834.

ethylene production, forests, Elaphomyces, Sweden 351.
harvesting, Tuber melanosporum 3834.

Ascochyta,
bilght, Cicor arietinum, books, conferences 4247.
bilght, Cicor arietinum, disease control, fungicides 3883.
bilght, Cicor arietinum, Ethiopia 3790.
bilght, Cicor arietinum, Ethiopia 3790.
bilght, Cicor arietinum, Spain 3791.

Ascochyta fabee,
3. seed-borne diseases, Vicia faba 7136.

Ascochyta fabee,
3. seed-borne diseases, Vicia faba 7136.

Ascochyta pind,
infection, phydrotxins isolation, Pisum sativum 2781.

Ascochyta pind,
infection, phydrotxins isolation, Pisum sativum 2781.

Ascochyta pind,
bilght, Cicor arietinum, disease control, seed-borne diseases, reviews 3905.
bilght, Cicor arietinum, pidermiology 3786.
bilght, Cicor arietinum, pathogenicity, racos 3786.
bilght, Cicor arietinum, stroeening projects 3787.
bilght, Cicor arietinum, screening projects 3787.
bilght, Cicor arietinum susceptibility, lactors affecting 1974.
bilght, disease resistance, plant breeding, Cicor arietinum 3864.

blight, disease resistance, plant breeding, Cicer arietinum 3864. blight disease resistance screening projects, Cicer arietinum 3863. blight, plant breeding, disease resistance, Cicer arietinum 3865.

oligin, plant treeding, disease resistance, clear arraminim 5065.

Ascomycetes,
effects on Basidiomycetes biodegradation coconuts fibers 1031.
fungal flora, Fagus sylvatica, association, natural pruning 2105.
lignin biodegradation, reviews 7829.

Ascospores

Brighters, incidence, Cucumis sativus, fruit rot, stem rot 278. fungi, seasonal variations, soil horizons, forest floor 5540.

Venturia inaequalis, air spora, samplers, epidemiology 804.

culture, ectomycorrhizas 5542. dentistry, environmental hygiene 1519. fermenters 3667.

laminar air flow, nosocomial environments, leukemia, man 572. plant cells culture systems, symbiosis, vesicular-arbuscular mycorrhizas 2120.

Ash, find usetes, land disposal, nutrient availability, biodegradation, soil microorganisms 8257.
poliution effects, carbon dioxide production, soil microorganisms 3951. stabilization, soil properties, straw decomposition, acetic acid, acid production, soil microorganisms 7300.

Cajanus cajan diseases, crop production, economic importance 7139.

Asparaginase, detection, electrodes, immobilized cells, Serratia marcescens 6777. Escherichia coli, immobilized enzymes, blood immobilization, bioreactors 2575. N-terminus, amino acid sequence, amino acid composition, Escherichia coli 4322.

N-terminus, amino acid sequence, amino acid composition, Escheri Asparaginopine,
isolation, crown gall tumors, Agrobacterium tumefaciens 2810.

Asparagus officinalis,
allelopathy, soil microorganisms, Fusarium 3831.
endomycorrhizas effects on growth, association, clays media 2136.
spot, pathogensis, Stemphylium vesicarium 8845.

Asparate aminotransferase,
amino acid sequence, Escherichia coli, comparison, pigs 6843.
gostatin inhibition, Streptomyces sumanensis 1724.

Aspartate ammonia-lyase, acetylation activation, Escherichia coli 1788.

acetylation activation, Escherichia coli 1788. ammonium furnarate conversion, L-alanine, immobilized cells, Escherichia coli, Pseudomonas dacunhae 7. organic compounds synthesis 4385. Aspartate Carbamoyltransferase, spectrophotometry assays 937. Aspartate Kintaes, defective mutant, Streptomyces clavuligerus, diaminopimelic acid contents, antibiotics biosynthesis 2257. Aspartate 4-decarboxylase, activity. L-alanine biosythesis. Pseudomonas dacunhae. polyurethane

activity, L-alanine biosythesis, Pseudomonas dacunhae, polyurethane immobilization 8525. ammonium fumarate conversion, L-alanine, immobilized cells, Escherichia coli, Pseudomonas dacunhae 7.

Aspartic acid, hydrazides, inhibition, growth, Pseudomonas pseudomallei, Salmonella typhimurium

## Aspergillus flavus, (continued) 5352 Aspartic acid, (continued) 5352 atlatoxins, levels, food contamination, Prunus amygdalis, nuts 7101. aflatoxins levels, Zea mays 5204. aflatoxins production, factors affecting, reviews 7052, aflatoxins production, meals, soybeans, cottonseed 3746 aflatoxins, separation techniques, use, column chromatography 5374, arrithungal activity, amphotenien B+arrithungal agents+ritampicin 5785. Aspergillus nidulains, mixed culture, aspergillic acid biosynthesis, antibiotics 4063. nhibition pyruvate carboxylase, yeasts 889. production, deficient mutant, pyruvate kinase, Brevibacterium flavum 7661. stimulation, colistin production, Bacillus polymyxa 3148. oxidation, racemization, β-lactam antibiotics synthesis 9205. Aspartic proteinase, season amount of the season and a se autis: association, Aspergillus niger, affatoxins, production, corn, factors affecting, inhibition 2756. clinical isolation, association, association, corn, factors affecting, in-tended properties, 1-(4-chlorophenoxy)-1-(1-imidazoly)-3,3-dimethyl-2-(1,2,4-triazole-1-yl)methylbutan-2-ol, 1-(4-chlorophenoxy)-1-(1-imidazoly)-3,3-dimethyl-2-butanol hydrochloride, antifungal activity 4756. extracts, biological control, Phytophthora parasitica var.piperina rot, Piper fluorespance, fundamental. Aspartyl-tRNA synthetase, glucose, glucose-6-phosphate residues identification, Saccharomyces cerevisiae plucose, glucose-6-phosphate residues identification, Saccharomyces cerevisiae glucose, glucose-6-phosphate residues identification, postacismon, po extracts, biological control, Phytophthora parasitica var.piperina rot, Piper bette 5518. fluorescence, fungi, agriculture, aflatoxins, Zea mays, Gossypium hirsutum 4474. growth, aflatoxins production, amino acids effects on 215. growth, aflatoxins production, amino acids effects on 215. growth, Zea mays hybrids seeds 8083. infection, Gisease resistance, Arachis hypogaea, cultivars comparison 7086. infection, Solanaceae, oxalic acid levels 6281. infection, Solanaceae, oxalic acid levels 6281. infection, Giolanaceae, oxalic acid levels 6281. infraconazole antifungal activity, new records 9104. mycoflora, Vicia faba flowers, contamination, beans, Egypt 7085. nitrosoguanidne, acriflavin, diethylamine, induction mutation, characterization, effects on aflatoxins biosynthesis 7084. pathogenesis, Zea mays, scanning electron microscopy 6245. proteinase, α-amylase, activity, association, hydrocarbons carbon sources comparison 2189. sclerotia formation, ear for, Zea mays 8784. spore germination, lectins effects on 3877. Aspergillus foetidus, orangiase, production, purification, characterization 6012. Aspergillus fumigatus, air spora recovery, sewage sludge composting 3213. antibiodics production, morphology association 2255. antibodies detection, seriological tests 5930. antibody response, measuring techniques, enzyme-linked immunosorbent-assay, diffusion tests 2533. antiffungal activity, amphotencin B+antfungal agents+rifampicin 5785. c-1-arabinoriansorians, lecks, domestic animals 1025. cellulase, endo-1,3-B-D-xylanase, production 1807. cellulase, proteins, production, growth conditions, effects on 6015. clinical isolates, ceilulase, proteins, production, growth conditions, effects on 6015. clinical isolates. 1-44-chlorophenoxy)-3,3-dimethyl-2-(1,2,4,-triazole-1-yl)methylbutan-2-ol, 1-44-chlorophenoxy)-1,1-limidazolyl)-3,3-dimethyl-2-butanol hydrochlonde, antifungal activity 4756. disinfectants antifungal activity, solutions, contact lenses 5870. drug sensitivity testing, antifungal agents 8308. mycotoxins, food contamination, Zea mays, initoxication, cattle 6205. single-cell protein production, fermenters, cassava roots 1709, spores, antifungal activity, iron(II), hydrogen peroxide, iodicle 4014. U.V. radiation mutants, cellulose biodegradation 2707. Aspergillus glaucus, incidence, grain, storage conditions, USA 8056. Aspergillus kanagaweensis, proteolytic enzymes, stracellular enzymes, hydroxyanthraquinone stimulation 916. Aspergillus induutus, soil isolates, cyanuric acid, brodegradation 1894. Aspergillus flavus, mixed culture, aspergillic acid biosynthesis, antibiotics 4063. lipids production, whey, nutrient sources 7788. single-cell protein production, fermentation, starch residues, food industry 1713. single-cell protein production, fermentation, starch residues, food industry 1713. Aspergillus aculeatus, fruir rot, Posch-harvest decay, oranges, cellulase association 2049. fruir rot, Ritis vinifera 8843. Aspergillus alleaceus, peclinase, biodegradation, Daucus carota 8538. Aspergillus alleaceus, peclinase, biodegradation, Daucus carota 8538. Aspergillus awamort, alleaceus, peclinolytic enzymes production, liquid culture, inoculum levels effects on 4352. polygalacturonase biosyrithesis 6038. Aspergillus awamort, albumin hydrolysis 6016. + Azotobacter, phosphatas activity 7491. com fermentation, ethanol production 5290. exo-1.4~-0-glucosidase, genes, cloning 3498. pectinolytic enzymes production, factors affecting 6606, proteinase, immobilized enzymes, albumin hydrolysis 4341. soil, solubilization, phosphate 6350. Aspergillus candidus, antibiotic FR-900318 biosynthesis, characterization 3103. antifungal activity, cyclosporin A 8312. Aspergillus flavipes, growth, heterotrophy, acid rain effects on, soil 2940. Aspergillus flavipus, allatoxin B1, biosynthesis, antimicrobial agents, preservatives, effects on, in vitro 7095. allatoxin B1, effects on proteotytic enzymes, lactic acid bacteria, cheese production 8730. allatoxin B1, effects on proteotytic enzymes, lactic acid bacteria, cheese production 8730. allatoxin b1 principal activity, plant extracts, medicinal plants 7897. allatoxins biosynthesis, factors affecting 7091. Aspergillus nidulans, Aspergillus flavis, mixed culture, aspergilic acid biosynthesis, antibiotics Aspergillus flavis, mixed culture, aspergilic acid biosynthesis, antibiotics Aspergillus flavis, mixed culture, aspergilic acid biosynthesis, antibiotics appropriated fusion, Aspergilius rugulosus, peniciliin biosynthesis, genes, linkage analysis 4047. radioactive labelling, carbon-14, liquids scintiliation 5933. rasistance, antifungal activity, dicarbovimides 8296. spore germination, antifungal activity, BP, dicloran 1222. Aspergillus niger, aflatoxins deloxification 1081. amylo-1,6-glucosidase recovery, fermentation, wheat 204. antifungal activity, morphotericin B+antifungal agents+rifampicin 5785. antifungal activity, morphotericin B+antifungal agents+rifampicin 5785. antifungal activity, mematicides 1325. association, Aspergillus flavus, aflatoxins, production, com, factors affecting, inhibition 2756. biodegradation, olives food processing wastes, proteins production 871. biodeferioration, copper naphthenate, characterization 1038. cellulase biosynthesis 2581. cellulase physicochemical properties 2592. cellulase samples, containing activity, carboxymethylcellulase, endo-1,3-B-D-ylanase 8533. chlorobenozates biodegradation 6170. citric acid production, liquid culture 6814. clinical isolates, 1-4-c-hlorophenoxy)-3,3-dimethyl-2-(1,2,4-triazole-1-yl)methylibutan-2-ol, 1-4-chlorophenoxy)-1,7-l-imidazolyl)-3,3-dimethyl-2-butanol hydrochloride, antifungal activity 4756. com fermentation, ethanol production, 5290. drug sensitivity testing methodology 5736. esterase multiple forms, thermal stability, substrate specificity 1786, esterase multiple forms, thermal stability, substrate specificity 1786, estyperson, and the substrate specificity 1786, ethyl 3-exobutanoate, 1-(1,3-dfithian-2-yl)-2-hydroxypropane 8631. exo-1,4-a-D-glucosidase, mimobilized enzymes, kinetics, stability 78. exo-1,4-a-D-glucosidase, emmobilized enzymes, kinetics, stability 78. exo-1,4-a-D-glucosidase, mimobilized enzymes, kinetics, stability 78. e 7897. aflatoxins blosynthesis, factors affecting 7091. aflatoxins biosynthesis, light, oxygen, sodium chloride, effects on 7071 aflatoxins biosynthesis, lipid peroxidation 1077. aflatoxins biosynthesis, m-bisulfite effects on 7076, aflatoxins biosynthesis, Nicotiana tabacum leaves, storage conditions effects on 7070. aflatoxins blosynthesis, Nicotiana tabacum reaves, sunage constitution 7092. aflatoxins biosynthesis, rice, cheddar cheese, temperature effects on 3703, aflatoxins contamination, Zea mays genotypes, disease resistance 8880, aflatoxins, detection, peanuts 1078, aflatoxins detection, peanuts 1078, aflatoxins, dietary intake effects on, energy utilization, proteins utilization, ducks 372, aflatoxins, food contamination, com, control, reviews 222, aflatoxins, food contamination, effects on proteins nutritive value, chickens aflatoxins, food contamination, effects on proteins nutritive value, chickens

```
Aspergillus niger, (continued) isomaticse 3464. exc-1,4-a-D-glucosidase production, catabolite repression, mutants selection
 5118.

8XC-1, 4-α-D-glucosidase, purification, kinetics 934.

8XC-1, 4-α-D-glucosidase, tryptophan residues, role activity 7726.

8XC-1, 4-β-D-xylosidase activity, substrate specificity, monosaccharides, pH, temperature effects on 7725.

8XC-1, 4-β-D-xylosidase, characterization 4320.

8XC-1, 4-β-D-xylosidase, characterization 4320.

8XC-1, 4-β-D-xylosidase, phydrolysis, glycosylation, p-nitrophenyl-β-D-glucopyranoside, p-nitrophenyl-β-D-xylosidase, phydrolysis, glycosylation 7752.

8XC-1, 4-β-D-xylosidase, purification, characterization 6857.

8XT-1-8-D-xylosidase, purification, characterization 6857.

8XT-1-8-D-xylosidase, purification, characterization 6857.
```

exo-1,4-9-D-xylosidase, hydrolysis, glycosylation 7752.

extracts, biological control, Phytophthora parasitica var.piperlna rot, Piper belle 5518.

femmentation, ciric acid production 6813.

femmentation, inulinase production, optimization 5179.

femmentation, inulinase production set of set of

5189.

polygalacturonase, purification, extracellular enzymes 926.

soli, heterotrophy, acid rain anions effects on 2939.

Thiophene derivatives antifungal activity, photoinduction 3060.

use retting, floers, Cocos nucliera 7792.

wastewater treatment, rotating discs, industrial effluents 2341.

spergillus ochraceus,
barley contamination, ochratoxin A production 5375.

cell culture, microsomes, hydroxylase purification, characterization 92.

ochratoxin A biosynthesis, biomass, growth, temperature effects on 2758.

spores, immobilized cells, progesterone hydroxylation 6048.

gluanitate denydrogenase, immobilized erzymas, characterization 22-58.
spoeralitus oryzee,
cohratoxin A biosynthesis, biomass, growth, temperature effects on 2758.
spoeralitus oryzee,
aminopepidase, purification, methodology 5136.
earnylase, assays, use starch degradation products 7677.
aspergilitus oryzee,
aspergilitomarasmine A aspergilitomarasmine B inhibition peptidyl dipeptidase A,
carboxypeptidase A, aminopeptidase (microsomal) activity 3734.
aspirochlorine constituents, structure, oryzachlorin 3150.
biodegradation, olives tood processing wastes, proteins production 871.
enzymes preparations efficacy, mirin biosynthesis, alcohol concentration
relationship 992.
exc-1.4-a-D-glucosidase, a-amylase, production, optmization,
carbotyprates hydrolysis 5193.
exc-1.4-a-D-glucosidase (ammobilized enzymes, lactose hydrolysis, skim milk, whey
206.
3-D-galactosidase, immobilized enzymes, stability, kinetics 80.
3-D-galactosidase immobilized enzymes, stability, kinetic

koji, glutaminase, aminopeptidase (cytosol), assays, use L-glutamate oxidase 7853.

metalloproteinase, purification, characterization 8578.
monophenol monoxygenase isoenzymes activation, pH role 8041.
pectinesterase, pectiniyase, purification, characterization 6862.
protoplast fusion, soy sauce production 4451.
soy sauce production, role, a-amylase, proteinase 3697.

lapergillus parasiticus,
aflatoxins, acetic acid incorporation, association antifungal agents 217.
aflatoxins, biosynthesis, association, nitrate, repression, averufin 220.
aflatoxins biosynthesis, carliente inhibition 7040.
aflatoxins biosynthesis, factors affecting, in vitro 7067.
aflatoxins biosynthesis, factors affecting, in vitro 7067.
aflatoxins biosynthesis, incharacterial profusions biosynthesis, incharacterial profusions biosynthesis, incharacterial profusions affection 3791.
aflatoxins biosynthesis, incharacterial profusions and profusions biosynthesis, incharacterial profusions, sodium chloride, effects on 7071.
aflatoxins biosynthesis, incharacterial profusions, separation techniques, use, column chromatography 5374.
aflatoxins, production, amino acids effects on 215.
growth, aflatoxins production, amino acids effects on 215.
growth, aflatoxins production, vigna, acidivity, essential oils, spices 7891.
infection, affatoxins production, vigna acidivity, essential oils, spices 7891.
infection, affatoxins production, vigna, acidivity, essential oils, spices 7891.
infection, affatoxins production, vigna, acidivity, essential oils, spices 7891.
infection, affatoxins production, vigna, acidivity, essential oils, spices 7891.
infection, affatoxins production, vigna, acidivity, essential oils, spices 7891.
infection, affatoxins production, vigna, acidivity, essential oils, spices 7891.
infection, affatoxins production, vigna, acidivity, essential o

versicolorins production, zinc effects on 7887.

Aspergillus phoenicis, β-D-glucosidase production 3445. 3-hydroxysteroid dehydrogenase, immobilized enzymes, androstane dione synthesis 106. Aspergillus restrictus, enzymas, production, association, water activity, detection, seeds, contamination 1166.

1168.

Aspergillus rugulosus, protoplast fusion, Aspersillus rugulosus, protoplast fusion, Aspergillus nidulans, penicillin biosynthesis, genes, linkage analysis 4047.

Aspergillus saltoi, exo-1.4-n-D-quicosidase subunits, binding specificity 6863. ribonuclease T2, purification, characterization 884.

Aspergillus tamarii, biodeterioration, wood, fungicides, prophylaxis 1252. cyclopiazonic acid, production 221. ergot, alkaloids, biosynthesis, characterization 5254.

a-D-galactosidase, endo-1.4-β-D-mannanse, purification, characterization 5984.

α-D-galactosidase, purification, molecular weight, characterization 5988. infection, Solanaceae, oxalic acid levels 6281.

a-0-galactusidase, purification, molecular weight, characterization 5988. irrilection, Solanaceae, oxalic acid levels 6281.

Aspergillus terreus, biosynthesis, structure, growth regulators, plants 2668. cellulase complexes fractionation 4309. citriim biosynthesis, N.M.R., structure 6870. immobilized cells, itaconic acid production 682. terrecycle, structure, antimicrobial activity 5802. territori C. characterization 1928.

Aspergillus terreus var.aureus, metabolites, structure, antimicrobial activity 4797.

Aspergillus ustus, antimicrobial activity 4797.

Aspergillus ustus, var.aureus, metabolites, structure, antimicrobial activity 6803. Aspergillus variacolor, biological control, Afternaria alternata leaf blotch, Hordeum vulgare 2083. Aspergillus variacolor, discontrol activity 6804. Aspergillus variacolor, inoritii) biological control, Afternaria alternata leaf blotch, Hordeum vulgare 2083. Aspergillus variacolor, inoritii) biological control, Afternaria alternata leaf blotch, Hordeum vulgare 2083. Aspergillus variacolor, inoritii) biological control, Afternaria alternata leaf blotch, Hordeum vulgare 2083. Aspergillus variacolor, inoritii) biological control, Afternaria alternata leaf blotch, Hordeum vulgare 2083. Aspergillus variacolor, inoritii) biological control, Afternaria alternata leaf blotch, Poracterization 8521. posi-harvest decay, distribution, mycelia, sterigmatocystin, Oryza sativa 8875. Aspergillus wentii, alternata pergilius media (vilture), asecciation production p

post-narvest decay, distribution, mycelia, sterigmatocystin, Oryza sativa 8875.

\*\*Aspergillus wentil, mixed culture, Trichoderma reesei, media (culture) association production, cellulase, hemicellulase 1736, proteolytic enzymes, extracellular enzymes, hydroxyanthraquinone stimulation 916.

\*\*Asphalt.\*\*

Aspidosperma excelsum, alkaloids, antibacterial activity 5730.

Aspirin,
effects on tobacco mosaic virus multiplication, spreading, Nicotiana tabacum

emects on topacco mosaic virus multiplication, spreading, Nic cultivars 1141. **Aspirochlorine,** constituents, oryzachlorin structure, Aspergillus oryzae 3150. **Aspienium filare,** 

hilzosphere microorganisms, phyllosphere microorganisms, fungi 8981.

Asplenium nidus,
leaf spigi, leaf blight, etiology, Pseudomonas gladioli 4563.

leaf spot, leaf blight, etiology, Pseudomonas gladioli 4563.

Asaays, affatoxin B1, food contamination, high-performance liquid chromatography 7044. aspariate carbamoyltransferase, spectrophotometry 937. bacteria siderophores, colorimetry, methodology, in vitro 661. biochemical characteristics, bacteria, water isolates, food, isolates, identification 2499. biodegradation, methodology comparison, reviews 7822. biomass suspended matter, carbon (activated) sewage sludges waste treatment 2379. bovine diarrinea-mucosal diseases virus, use, poly(I-C) 5590. 2,4-dinitrosalicyclic acid, sugars, lignocelluloses hydrolysis 8680. B-D-glucuronidase, gas chromatography, Escherichia coli 3762. glycolic acid, methodology, use, bacteria acyl type cell walls identification 9299 Heterobasidion annosum, roots, media (selective) 2111.

9299
Heterobasidion annosum, roots, media (selective) 2111.
Influenza virus antibodies, complement fixation 3235.
Felactamase detection, clinical isolates, gram-negative bacteria, gram-positive bacteria 6884.
Methanobacterium thermoautofrophicum coenzyme F420, association, photobleaching, fluorescence decay 6819.
methodology, antibiotics, antimicrobial agents 9173.
mycotoxins contamination, man, reviews 7045.
3913.
pentidionly/logan endopentidase, bias-unthesis, nantidostucane, Escherichia cell 3258.
pentidionly/can endopentidase, bias-unthesis, nantidostucane, Escherichia cell 3258.

peptidoglycan endopeptidase, biosynthesis, peptidoglycans, Escherichia coli 3538. serum levels, gentamicin, tobramycin, man 3106. tobramycin, comparison 525. viruses cells transformation, use, tetrazolium blue staining 9275.

Astaxanthin.

sextraction, autolysis, Phaffia rhodozyma 5225.
extraction, food processing wastes, silage, Procambarus clarkii 2714.
extraction, relationship, Bacillus circulans+Phaffia rhodozyma mixed culture,
lytic enzymes activity, carbon sources 1743.

Asteracese, ectomycorrhizas, vesicular-arbuscular mycorrhizas, symbiosis, detection, Australia 2132.

Australia 2132.

Atlantic Ocean, sewage sludge disposal sites, viruses survival 9242.

Atmante Ocean, sewage sludge disposal sites, viruses survival 9242.

Atmanyabertic conditions, Campylobacter felus subsp.jejuni isolation, methodology comparison 1650. effects on Claviceps microcephala ergotism incidence, Pennisetum typhoides 5427. effects on scierotia germination, Sclerotium rolfsii 6338.

Streptococcus group A isolation 1666.

Atmospheric pressure, aeration, fermenters, continuous culture, Candida utilis 5924, oxygen, effects on, Mailotus japonicus, llex pedunculosa, bark, nitrogen-fixing bacteria activity 8148.

ATP, alkanal monooxygenase (FMN-linked) bioassays, antibacterial activity, methicillin, Staphylococcus aureus 4069.

ATP, (continued)
assays, counting methods, dairy starters, milk, yogurt 6996.
binding, nitrogenase, Azorboacter vinelandii 2606.
binding, nitrogenase, Azorboacter vinelandii 2606.
binassays, Mycobacterium leprae viability, leprosy, man 7584.
bioluminescence, detection bacteria growth, blood culture 751.
biochemical oxygen demand, waste eard, object, organic matter, biochemical oxygen demand, waste eard, ead reduction 1842.
Granicilin sporogenas, biodegradation, dissolved 1642.
granicilin says, immobilized enzymes, bacterial luciferase 8564.
levels, celluliase biosynthesis, Trichoderma reesei 3506.
levels, celluliase biosynthesis, Trichoderma reesei 3506.
levels, celluliase production, Trichoderma reesei 3506.
levels, celluliase production, Trichoderma reesei 3506.
levels, soil, relationship, soil properties, measuring techniques 2147.
levels, relationship, soil properties, measuring techniques 2147.
levels, relationship starter, soil properties, measuring techniques 2147.
levels, relationship starter, soil properties, star factors 8991.

swimming pools, chlorination, association, bacteria, levels 3220.

virus-like particles infection, Gramineae 1988.

Autobac test,
antibiotic sensitivity testing, bacteria, blood culture 494.

urine screening projects, bacteriuria 6784.

use, bacteria identification methodology 788.

Autoclavee,
association, organic acids production, agar, effects on, mycorrhizas spore

germination 5934.

sportcides sterilization 7396. ATP, (continued) germination 5934. sporticides sterilization 7396. sterilization, degradation, glucose ammonium tartrate, media (culture), liquid culture 8490. Autolysis, sataxanthin extraction, Phaffia rhodozyma 5225. Streptococcus group N, dairy starters, media (culture) carbon sources effects on 2733. Streptococcus group N, dairy starters, media (culture) carbon sources effects on 2733.

Automated methods, antibiotic sensitivity testing 2251. antibiotic sensitivity testing 7404. antibiotic sensitivity testing 7404. antibiotic sensitivity testing, bacteria 3258. antibiotic sensitivity testing, bacteria 3258. antibiotic sensitivity testing, pram-negative bacilli 486. AutoMicrobic test, Enterio- Tek system, identification, Enterobacteriaceae 713. bacteriuna detection, unine 726. bacteriuna detection, unine 726. bacteriuna detection, unine 726. bacteriuna detection, unine screening 3339. comparison, measuring techniques, antibiotic sensitivity testing, Enterobacteriaceae, Pseudomonas aeruginosa 3081. identification, gram-negative bacilii, biochemical characteristics 708. media (culture), biochemical analysis, monitoring, termentation 6116. monitoring, computer applications, termentation, Penicitilium chrysogenum 4833. monitoring, models, biotechnology 5951. monitoring, models, biotechnology 5951. monitoring, serrotyping 255757. unine screening, bacteriuria 7577. urine screening, bacteriuria, clinical microbiology 690. use, dilution tests measuring techniques 3049. AutoMicrobic test, regeneration, bioreactors, Saccharomyces cerevisiae 169.
role, isocitrate dehydrogenase kinase, isocitrate dehydrogenase phosphatase
activity, relationship, isocitrate dehydrogenase regulation, Escherichia coli 771. soll microorganisms, levels, soll, measuring techniques 1263. soll microorganisms, soll, measuring techniques 2932. succinyl-CoA synthetase (ADP-forming) binding sites, 5'-p-fluorosulfonylbenzoyl adenosine chemical modification, Escherichia coli 1758. Atranorine, antimicrobial activity 4781 Atrazine, dentifrication inhibitors, dentifrifying bacteria, soil 9002.

Inhibition nitrification, biodegradation, soil microorganisms 3969.

toxicity, permethrini synergism, nontarget organisms, Pythium ultimum, Trichoderma viride 459. Atriplex confertifolie, interspecific relationships, vesicular-arbuscular mycorrhizas 382. Atriplex gardneri, roots colonization, vesicular-arbuscular mycorrhizas, seasonal variations, environmental factors, deserts, vesicular-arbuscular mycorrhizas 385. use, dilution tests utoMicrobic test, antibiotic sensitivity testing, gentamicin, tobramycin, amikacin, Pseudomonas aeruginosa 5778. antibiotic sensitivity testing, gram-negative bacteria, clinical isolates, methodology, comparison 7419. identification, Enterobacteriaceae 705. identification, Enterobacteriaceae 713. identification, Enterobacteriaceae 713. identification, Enterobacteriaceae, computer applications 1645. identification, gram-negative bacilil 706. identification, staphylococcus 771. identification, yeasts, methodology 1682. methicillin resistance, Staphylococcus aureus 4714. Staphylococcus identification 3038. use, detection, antibiotic resistance, Staphylococcus, oxacillin, methicillin 2007. 1000 pt. 1 roots culonization, vesticular-arbuscular impormizas 385.

Auchenorrhyncha,
diseaso transmission, maize streak virus, Zea mays 7154.

Augustion of the stream of the strea Autopsy, plastics films, man, disease control 2421. piastics mins, man, disease control 2421.
Autoradiography,
immunodiagnosis, Epstein-Barr virus, immunoglobulin A antibodies, nasopharynx
carcinoma, man 4992.
phospholipids biosynthesis, enzymatic activity detection, Saccharomyces Aurocoesicium,
biodeterioration, forest products, colonization, succession, preservatives,
effects on 1241.
cellulase 86.
Aurocoesidium pullulans,
antagonism, Alternaria solani, use biological control, Lycopersicon esculentum cerevisiae 3364.
screening, chemoautotrophy, hydrogen bacteria 3261
silver bioaccumulation, conidia, Botrytis cinerea 8484. AutoSCAN-3 use, measuring techniques, dilution tests 3049. Autotrophy,
Rhizobium growth, hydrogenase isolation, characterization 3461. 2080: biodeterioration, polyvinyl chloride, films 1032. biodeterioration, wool, control, biocides 1288. exc-1,4-c-1-glucosidase biosynthesis 8603. pullulan biosynthesis optimization, peat hydrolysates media 6055. Rhizobium growth, hydrogenase isolation, characterization 3461.

Auxin,
+ectomycorrhizas, effects on roots formation, propagation, Pinus pinaster 5929.

Auxotrophs,
amino acids, Saccharomyces cerevisiae, phenethyl alcohol sensitivity 3062.
Cochilobolus heterostrophus, population studies, leaf blight, Zea mays 1981.
mutants, isolation, role clavulanic acid, Bacillus licheniformis 7611.
Mycobacterium smegmatis, isolation, use vancomycin, methodology 3348.

Auxotrophy,
protoplast fusion, Rhizoctonia solani 5081. pullulari biosymnesis oprimization, pear nydrolysates media 6055. Aureofunglin, disease control, Bottyodiplodia theobromae, fruit rot, Citrus reticulata 5525, fungi, fermentation, high-pressure liquid chromatography, antifungal activity 5800. Aursomycin, growth rate, sugar, carbon sources effects on anhydrotetracycline oxygenase, Streptomyces aureofaciens 4860.
Auricularia, fruit bodies production, inoculation, wood 7846. Auxotyping,
Neisseria gonorrhoeae, antibiotic sensitivity testing, gonorrhea epidemiology,
man 482. fruit bodies production, inoculation, wood 7846.

Auromomycln,
structure, X-ray diffraction, Streptomyces macromomyceticus 6558.

Austocystin D,
Aspergillius ustus, biosynthesis, N.M.R. 5378.

Australig,
Aeromonas hydrophile, drinking water contamination, seasonal variations, clinical isolates correlation 8414.

Alternaria alternata infection, Anigozanthos 2020.
Asteraceae, ectomycormizas, vesicular-arbuscular mycormizas, symbiosis, detection 2132.

Bremia lactucae downy mildew, Lactuca sativa, virulence, geographical distribution 3835.

Cassia pleurocarpa, Cassia yellow blotch virus isolation, characterization, new records 3800.

Casstanea sativa, Phytophthora disease control, root not, crown not 3876. Avena, barley yellow dwarf virus disease resistance 5414.
Avena byzantina,
barley yellow dwarf virus infection, double-stranded RNA 260.
pathogenesis, crown rust 7982.
Avena fattus, ley stripe mosaic virus virulence 6241. paney stripe mosaic virus virulence 6241.
Avena sattiva,
inheritance, barley yellow dwarf virus disease resistance,
plant breeding 8072.
coleoptile, Puccinia coronata infection, urediniospores production 2791.
crown rust, Puccinia coronata f.sp.avenae, disease resistance, genetic ana
3868. 3868.
disease resistance breeding, Erysiphe graminis f.sp.avenae powdery mildew 307.
dose-response effects, inoculation, barley yellow dwarf virus 8783.
endomycorrhizas effects on growth, association clays media 2136.
genetic screening, disease resistance, Puccinia coronata 5489.
host specificity, Helminthosporium victoriae phytotoxins 7902.
isolation, Puccinia graminis races, incidence, geographical distribution, USA,
Mexico 1125. records 3900.

Castanea sativa, Phytophthora disease control, root rot, crown rot 3876. 
drinking water contamination, Aeromonas, isolation 8412.

Fusanium tabacium, host range, pethogenicity, plant diseases 7126. 
glycine mottle virus new records, host range, spatial distribution, 
classification, Glycine tomentella isolates 5404. 
Helianthus annuus, rust, Puccinia helianthi 8014. 
Medicago sativa, leafspot, Stemphylium 5435. 
Phomopsis leptostromiformis infection, Lupinus, epidemiology 7926. 
plant diseases, bacteria 3769. 
Puccinia horiana, white rust, Chrysanthemum, epidemiology 2024. 
Rubus ulmifolius, rust, Phragmidium violaceum 8012. 
Salmonella incidence, poultry processing 6194. 
soil, actinomycetes, population levels, ecological distribution, environmental Mexico 1125.

leaves, 80-fructofuranosidase physicochemical properties, crown rust, Puccinia coronata 2109.

leaves culture, cuttivars effects on Puccinia graminis f.sp.triticii 1991. patch, Rhizoctonia solani, surveys, solis (calcareous) 255. Avena sterilis, disease resistance, Puccinia coronata, crown rust 4577.

Australia, (continued)

vermectin,
Streptomyces antibioticus, inhibition, Mucor milehei, chitin, metabolism 6578.
vermectin B,
subunits, sythesis 7465.
vermectins,
production, Streptomyces avermitilis, anthelminthic agents 120.
vermoc arambola,
post-harvest decay, fruit rot, fungi 8876.
vestrin.

pose-narvest oecay, mult rot, rungi 8876.

\*\*evrufin,
incorporation, aflatoxin B1, biochemistry 3742.
mitochondria oxidative phosphorylation uncouplers 4472.
nitrate repression, association, aflatoxins biosynthesis, Aspergillus parasiticus
220.

cells, comparison, mammalian cells, cell culture, reovirus (avian) 5001.

fecal coliforms, microbial pollution, rivers, Canada 1502.

fecal coliforms, microbial pollution, and the coliforms of the coliforms, and the coliforms, methodology 5017, and bodies, detection, enzyme-linked immunosorbent assay, methodology 5017, and bodies, detection, enzyme-linked immunosorbent assay, methodology 5017, and antibodies detection, enzyme-linked immunosorbent assay, methodology 5017, and pollutions, vaccines contamination, screening projects 6659.

Vian laryngotrachettle virus, DNA, isolation, purification, methodology 9284.

live vaccines, infectivity, immunity, chickens 3180.

Vian refucione-dottheliolesi virus, focus formation, bioassays, methodology 5015.

Vidin,

rocus formation, polassasys, metricuology 50 f5.

widin,
+ biotin enhancement enzyme-linked immunosorbent assay, detection, herpes simplex virus, man 4154.

biotinylated horseradish peroxidase complex, use, Spirochaetaceae microscopy

ovumnated norseradish peroxidase complex, use, Spirochaetaceae 3263 sublotch disease virold, plant diseases, Persea americana, detection, electrophoresis 4525. Woperch,

plant diseases, Persea americana, detectron, electrophoresis 4525.

woparcin,
antibacterial activity, association conformation, N.M.R. 6553.
antibacterial activity, Clostridium, agar dilution test, animal isolates 3050.
antibiotoc sensitivity testing, Escherichia coli, Pseudomonas aeruginosa 9215.
high-pressure liquid chromatography 3154.
stereochemistry 3153.
wamycin,
Streptomyces, biosynthesis, physicochemical properties, structure, antitumor activity, antibacterial activity 1441.
-Azacytidine,
stability, arribacterial activity, Escherichia coli 7360.
zadirachta Indica,
saeds oils, pest control, Nephotettix virescens, vectors, rice tungro virus,
Oryza sativa 6299.
Czyra sativa 6299.
Czyra sativa 6299.
Czaspiranedomienrobial activity 2235.
Zasterol,
inhibition, 224-sterol methyttransferase activity, kinetics, Saccharomyces
cerevisiae 7718.

cerevisiae 7718.

zetfdin-2-one,
containing diarylsulfides, diarylsulfones, synthesis, antibacterial activity

zide.

zide.

binding cytochrome peroxidase, E.S.R., Pseudomonas aeruginosa 3489.

-Azido-2'-deoxynucleotides,
ribonucleoside-diphosphate reductase interaction, radicals, Escherichia coli
8556.

2-Azino-di(3-ethyl benzthizaoline-6-sulfonic acid), +horseradish peroxidase media, bacteria detection, hydrogen peroxide production 5900.

5900. **Standhos-methyl**, **soil**, biodegradation, bacteria soil isolates 4444. **scicellin**, **antibacterial activity**, gram-negative bacilii 7431. **antibacterial activity**, Pseudomonas aeruginosa 7412. **antibacterial activity**, Pseudomonas aeruginosa, disc-diffusion test quality

antibiotic sensitivity testing, clavulanic acid effects on, Bacteroides fragilis 9164.

9164.
antibioric sensitivity testing, Streptococcus faecalis 4808.
antibioric sensitivity testing, Streptococcus faecalis 4808.
antibioric synergism, aztreonam, antibacterial activity, gram-negative bacilli, Staphylococcus aureus 6504.
bactericidal activity, Pseudomonas aeruginosa, agar diffusion test, comparison, dilution tests 4841.

bactericidal activity, Pseudomonas aeruginosa, agar diffusion test, comparison, dilution tests 4841.

high-pressure liquid chromatography, serum 509.

+issomicin, antibiotic synergism, antibiacterial activity, Escherichia coli, Klebsiella pneumoniae, Pseudomonas aeruginosa 2271.

+issomicin, antibiotic synergism, Pseudomonas aeruginosa antibiacterial activity, kinetics 4836.

Streptococcus group B susceptibility 1381.

zolla plinata,

fertilizers, Oryza sativa nitrogen cycle 3963.

fertilizers, Oryza sativa nitrogen cycle 3964.

zospirillum,
inoculation: fertilizer applications, effects on yield, nitrogen fixation,
Oryza sativa 1273.

Inoculation, sorghum bicolor, effects on yield 5657.

inoculation, Sorghum bicolor, effects on yield 6367.

isolation, sorghum bicolor, effects on yield 63

Azospirilium brasilense, (continued)

Azospirilium brasilense, (continued) inibition 8855 immunoperoxidase test labelling, rhizoplane, Pennisetum americanum 1275. inoculation, nitrogen fixation, 4-fertilizers, yield, Triticum durum 7277. inoculation, nitrogen fixation, Sorghum, Pennisetum 5661. isolation, soil, characterization 2584. initrogen fixation, inculation, yield, Pennisetum typhoideum 2963. nitrogen-fixation, application, Triticum aestivum response 3967. hitzosphere, Gramineae, Mexico, subtropical zones 4634. +vesicular-arbuscular mycorhizas, inoculation, nitrogen fixation, nutrient uptake, yield, Zea mays, Lolium perenne 1257.
Azospirilium lipoferum, antagonism, Streptomyces, fungi, role inoculum survival, soil 4658. rhizosphere, Gramineae, Mexico, subtropical zones 4634.

mizosporer, Gramineae, Mexico, subtropical zones 4634.

Azotobacter,
alginic acid, biosynthesis, industrial applications 8618.

+ Aspergillus awamori, phosphate-dissolving bacteria, inoculation, composting 8391

1839 fixation, leal litter, Saccharum officinale 6353, nitrogen fixation, pear litter, Saccharum officinale 6353, nitrogen fixation, pressmud use, carriers, characterization 6374, production, indoles, gliberis 6229.

+ Rhizoblum japonicum mixad culture effects on, Glycine max nodulation, nitrogen fixation 2172.

role, nitrogen cycle, books 4238.
soil microorganisms. Psidium leaves effects on, in situ 4643.
soil, Trinidad, Tobago 6359.
Azotobacter chroococcum,
+ Actionomyces thermophillus+Mixbacterales+Streptomyces+Bacillus, inoculum, effects on yield, Solanum tuberosum 2088.

2083. extracellular polysaccharides production 3533. extracellular polysaccharides production 3533. inoculation, nitrogen fixation, +fertilizers, yield, Triticum durum 7277. nitrogen fixation, socitrate dehydrogenase activity, strains screening methodology 1637. nitrogen fixation+vesicular-arbuscular mycorrhizas, seedlings inoculation, yield, Lactuca sativa 6375. secretions, effects on, fungi, phylloplane, Glycine max 7252. soci inoculation, nitrogen fixation 4552. Azotobacter vinelandli, dissolved oxygen effects on nitrogen fixation, immobilized cells 3550. excretion, amino acids, vitamins, soil 1266. flavodoxin, purification methodology 5913. flavodoxin, purification, characterization, adsorption use, chromatography 4260. gene expression, Klebiselia pneumoniae, nitrogen fixation, genes 1280. hydrogenase purification 6858. methyl isocyanide inhibition nitrogenase 1816.

hydrogenase purification 8559
methy itsocyanide inhibition nitrogenase 1816.
methylamine uptake measurement, filtration methodology 4195.
nitrogen-fixution, dissolved oxygen effects on 3551.
nitrogen-fixution, dissolved oxygen effects on 3551.
nitrogen-fixing bacteria, Saccharum 5652.
nitrogenase complex, oxygen inactivation 885.
nitrogenase, iron-sulfur centers levels, ATP binding 2608.
nitrogenase, kinetics 19.
respiration, nitrogen fixation, soil water potential 8237.
Aztreonam,
antibacterial activity, mixed culture, Escherichia coli, Bacteroides 9182.
antibacterial activity, pesudomonas aeruginosa, Pseudomonas aeruginosa, Pseudomonas aeruginosa, Pseudomonas aeruginosa, Pseudomonas areuginosa, Pseudomonas aeruginosa, Pseudomonas aeruginosa, Pseudomonas cepacia, clinical isolates, cystic fibrosis, children 3170.
antibiotic synergism, amtibacterial activity, gram-negative bacilli.

3170.
antibiotic synergism, antibacterial activity, gram-negative bacilli,
Staphylococcus aureus 6504.
± cefoperazone, ± amikacin, serum bactericidal activity, Escherichia
coli, Klebsiella pneumoniae, Serratia marcescens, Pseudomonas aeruginosa 8344.
± β-lactar antibiotics, ± amikacin, antibacterial activity,
gram-negative bacilli 3156.
Azurln.
N.M.R., Pseudomonas aeruginosa 2564.
N.M.R., Pseudomonas aeruginosa 6928.
Pseudomonas fluorescens, fluorescence, role copper 909.

Baccharis crispa, extracts antibacterial activity, Bacillus subtilis, Micrococcus luteus, Staphylococcus aureus 4012. Baccharis notosergilis, extracts antibacterial activity, Bacillus subtilis, Micrococcus luteus, Staphylococcus aureus 4012.

Bacillomycin,
 Bacillos subtilis, effects on Saccharomyces cerevisiae growth, cytoplasmic membranes structure 4886.

membranes structure 4886.

kacillus,
+ Actinomyces thermophilus + Azotobacter chroococcum + Mixbacterales + Streptomyces,
inoculum, effects on yield, Solanum tuberosum, Zea mays 8201.

alikalophilic bacteria, proteinase 8613.

antibacterial activity, sodium citrate, release, calcium, magnesium 7376.

antibactorial control, decay fungi, Fagus sylvatica 5589.

biological control, decay fungi, Fagus sylvatica, field trials 5587.

cellulase production, screening projects 6832.

cellulolytic enzymes, purification, characterization, activity 5182.

chaetomacin, antifungal activity, Chaetomium olivacoum 4067.

contamination, blood culture, transmission, rolle, cotton use disinfection 3223.

cyclomattodextrin glucanotransferase, immobilization, characterization 5191.

cyclomattodextrin glucanotransferase, immobilization, characterization 5191.

cyclomattodextrin glucanotransferase, production 7679.

decarboxylation, phthalic acid, biodegradation 988.

diocyt) phthaliate biodeterioration 2723.

enumeration, spore germination, heat activation, milk agar, media (isolation)

1911.

enumeration, spore germinaturi, real activation 1911.

extracellular polysaccharides production 3533.

tatty acids production, milk 1909.
genetic engineering, gene transfer, fermentation, reviews 3593.
glucose isomerase, production, characterization 2618.
identification, pyrolysis products, mass spectroscopy 5052.

Subject Index Bacillus, (continued)
industrial effluents distilleries, nutrient requirements, urea, sodium phosphate 5910. interference membrane filtration, coliforms, drinking water 2391. β-lactamase, gene expression, Escherichia coli plasmid pEAP2 894. +lactic acid bacteria, retting, organoleptic evaluatien, fermented food, cassava Hactic acid bacteria, retting, organoleptic evaluation, fermented food, cassava 3698.

1898.

1898.

1898.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899.

1899. 3698 2311.
anthmicrobial activity, atranorine 4781.
biodegradation, glucosinol, rapeseed meals 1042.
Carica papave, plant extracts antibacterial activity 2220.
contamination, skim-milk powder 7000.
diprotins, isolation, physicochemical properties, structure 6804.
fatty acids, concentration methodology 4212.
food contamination, Thailand 6370. hypochlorous acid, chlorine dioxide, antibacterial activity, models 8721.
β-lactamase, hydrolysis, penicillins, cephalosporins, kinetics 4279.
β-lactamase, hydrolysis substrates, pH, deuterium oxide effects on, kinetics β-lactamase, hydrofysis substrates, pH, deuterium oxide effects on, kinetics 4278.
β-lactamase, hydrofysis, suibenicillin, carbenicillin, pH role 4277.
β-lactamase, inhibition, ics-platinum diamminodichloride,
β-methyl-pyrid-2-yl-ammine palladium-dichloride 1754.
β-lactamase, β-β-(trifloromethane sultonyl)-amidopenicillanic acid sulfone, derivatives, inactivation 1780.
α-methylstyrene biodegradation 2700.
oligo-1.6-glucosidase, purification, immunoaffinity chromatography, characterization 103.
phospholipase C active sites N.M.R., X-ray crystallography 5996. serine proteinase active sites flanking regions, amino acid sequence, comparison Bacillus thuringiensis 5153.
Bacillus circulane,
alginate lyase, purification, characterization 3518.
α-amylase, purification, characterization, production maltoletraose, mahopentaose 1763.
compound Bu-2743E production, aminopeptidase (cytosol) inhibitors 1702.
+ Phaffia rhodozyma mixed culture, carbon sources, lytic enzymes activity relationship satxanthin extraction 1743.
1.4-β-D-xylanase, 1,3-β-D-glucanase, 1,6-β-D-glucanase, biosynthesis, cyclic AMP regulation 6036.
Bacillus cosquiane, spore germination, heat resistance, antibacterial activity, sodium citrate 7374, spores, release, calcium, magnesium, sodium citrate antibacterial activity 7375, xylose isomerase, immobilized enzymes, starch processing 111.

cyclodextrnase, purification, characterization 1785.

Bacillus collatinus,
collistin production, feedback inhibition 4876,
protoplasts, liposomes, plasma membranes, role antibiotic resistance, colistin

Bacillus licheniformis,

α-amylase biosynthesis, sporulation correlation 1821.
β-amylase, maltose, glucose production, reviews, α-D-glucosidase
applications 4360.
α-amylase production, continuous culture 6035.
antibiotic resistance ermC gene, ermD gene, gene regulation, role protein
biosynthesis, ribosomes 6427.
auxotrophs mutants isolation, role clavulanic acid 7611.
bacitracin A. copper(II) complex E. S.R. 1413.
bacitracin biosynthesis, nutrient requirements, amino acids, proteins 1403.
biosynthesis, proteinsee, extracellular enzymes, bacitracin, temperature effects
isolation, luncheon meat, biodeoradation 2727.

on 4o79. isolation, luncheon meat, blodegradation 2727. β-lactamase, β-lactam antibiotics hydrolysis 4689. plasmid pLP1, transformation, gene expression, temperature effects on, Bacillus stearothermophilus 8543. recovery methodology, kidney diseases, man 1633.

Bacillus licheniformis, (continued) spore germination, heat resistance, antibacterial activity, sodium citrate 7374. spores, release, caicium, magnesium, sodium citrate antibacterial activity 7375. spores, sterilization, canning, tomatoes 7033. surfactants production, use petroleum recovery 5265. temperature effects on, sporulation, bacitracin biosynthesis, proteinase biosynthesis 5974. Bacillus macerans, glucose, fermentation, products, pH, effects on 2690. Services of the products of the

acillus penetrans, biological control, Meloidogyne javanica 1853.

biological control, Metoidogyne javanica 1955.

Bacillus polymxya,
glucose fermentation, 2,3-butanediol production 7782.

Bacillus polymyxa,
colistin production, aeration effects on 4880.
colistin production, steroid fects on 4880.
colistin production, stimulation, aspartic acid, phosphate 3148.
crop residues biodegradation, Penicillium symbiosis activity 3673.
hemicelluloses fermentation, 2,3-butanediol production 5223.

Retiricemosts remembaor, 2,3-outaneor produced 3223.

Bacillus pumilus,
1-deoxy-altro-heptulosephosphate synthase, isolation, characterization 1766.

extracts, 1-deoxy-D-threo-pentulose, 1-deoxy-L-threo-pentulose, biosynthesis

S249.
Sacillus sphaericus,
D-acetylserine (thiol)-lyase, purification, characterization 4329.
D-alanine aminotransferase activity, β-cyano-D-alanine inactivation, temperature role 7717.

temperature role /717.
biological control, peather, museums, Kuwait 1024.
biological control, predator-prey interactions, Toxorhynchites, Culicidae 1841.
efficacy, persistance, ponds, biological control, Culicidae 6914.
endopeptidase I activity, temperature, sodium dodecyl sulfate effects on 5129.
a-endotoxin, spore crystals, toxicity, larvae, Culex pipiens, Anopheles
stephensi 3572.

stephensi 3572.

Ieucine dehydrogenase, +Bacillus sphaericus formate dehydrogenase, L-leucine production, membranes reactors 3.

Ieucine dehydrogenase, substrate specificity, kinetics, pyridoxal 5'-phosphate inactivation 5149.

media (culture), growth, sporulation, larvicides activity 127.

microbiology, pathology, genetics, biological control, Culex, Anopheles 6898.

persistance, recycling, growth, biological control, Culdicae 6920.

phage typing, pathogenicity, biological control, larvae, Culex quinquefasciatus 2663.

2863.
pimelic acid determination methodology 3295.
production, formulation, biological control, Culicidae 6897.
spore crystats, biological control, larvac, Culicidae 6897.
spores, fate, biological control, larvacides, ponds, Culex tarsalis, Anopheles franciscanus 1845.
spores powder, biological control, Culex quinquefasciatus 6918.
sporulation, relationship, toxicity, Culex pipiens, larvae, biological control

6089

6089.

toxicity, biological control, pollution effects, fresh water, larvae, Culex quinquefasciatus, Aedes aegypti 2658.

toxins genes, gene expression, use biological control 8628.

transformation, protoplast fusion, plasmid pUB110, plasmid pBC16, sporulation, biological control, Culicidea 2666.

virulence, biological control, Simulium damnosum 5261.

Bacillus staerothermophillus, agar diffusion test, cow's milk, pericillin detection 7437.

a-mylase, heat inactivation, ultrahigh temperature sterilization, dairy products 6974.

products 6974, ethanol production, biotechnology, thermophilic bacteria enzymes 7794. gas production, spoilage, canned food, beans 6988. α-D-glucosidase, purification, characterization, electrophoresis 6838. glyceraldehyde-phosphate dehydrogenase activity, NAD analogs binding 1790. indicator species, quality control, steam sterilization efficacy 476. malate dehydrogenase, kinetics, poly(ethylene glycol) bound NAD+ derivatives effect on 76.

effect on 76.
phosphogluconate dehydrogenase stability, comparison yeasts 73.
plasmid pLP11 stability, gene expression, β-lactamase, ßacilius licheniformis
transformation, temperature effects on 6543.
pyruvate dehydrogenase (lipoamide) complex, domains structure, N.M.R. 3462.
ribosomal protein L6, crystal structure, X-ray diffraction 7662.
ribosomal subunit 50S, crystals, electron microscopy 874.
spore germination, heat resistance, antibacterial activity, sodium citrate 7374.
spores, bioassays, sterilization, inactivation, dental manipulation, medical
instruments 7545.
spores, heat resistance bioassays 6493.
spores, release, calcium, magnesium, sodium citrate antibacterial activity 7375.
thermocin, antibacterial activity mechanisms 3127.
thermocin, imcroorganisms, culture, dissolved oxygen levels, temperature
effects on 9296.

emetats on 9296. Triacylighcend lipase biosynthesis, fermentation conditions 6020. Tyrosyl-IRNA synthetase amino acid sequence homology, methionyl-IRNA synthetase Escherichia coli 2621. Tyrosyl-IRNA synthetase, X-ray crystallography, structure-activity relationships, site-directed mutagenesis tyrosyl-IRNA synthetase genes 3573.

Bacilius autivitis, aconitate intragenesis yrusyr-inna sytunetase genes 307.0. Bacilius autivitis, aconitate hydratase, histidine ammonia-lyase, formation, 2-ketoglutarate regulation 4281. c-amylase, immobilized enzymes, kinetics 1772. amylase production, industrial strains, morphology 6880.

```
Becilius subtilis, (continued)
β-amylase, production, purification 940.
α-amylase reactivation, immobilized enzymes 4301.
α-amylase, starch fermentation, ethanol production 8682.
antagonism, Phytophthora cactorum crown rot, biological control, seedlings, Malus
pumila 7212.
antibacterial activity, acetonyl salicylate 6464.
antibacterial activity, antibiotic B-371, structure-activity relationships 8338.
antibacterial activity, formazans 9139.
antibacterial activity, formazans 9139.
antibacterial activity, formazans 9139.
antibacterial activity, meticopicine, tecleanthine, 6-methoxy tecleanthine, bark,
Taclea trichocarpa 4738.
Taclea trichocarpa 4738.
Thynchosia suaveolens, biphenyls, derivatives 9096.
antibacterial activity, 5-fluoro-(2'-nitrofunyl)-2-benzimidazole 9136.
antibiotics production, oxafun, inhibition, antagonism, Phoma betae, rhizosphere
2139.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Bacillus thuringiensis, (continued)
endotoxins, Choristoneura fumiferana, cell lines, selection, resistance 6895.
endotoxins, use, biological control, larvae, Spodoptera littoralis, Boarmia
selenaria 118.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   seiemaria 118.
Pewotoxin, biological control, Leptinotarsa decemlineata 125, exotoxins, biological control, bioassays, toxicity, larvae, Hypera postica 8641. exotoxins, high-performance liquid chromatography, assays, insecticides, biological control 2766.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   biological control 2766.

exotoxins, mortality, larvae, Achaea janata 1852.

exposure time effects on mortality, recovery, Choristoneura 3555, foliar applications, spores persistence, biological control, Gossypium 117. formulations, aerial applications, distribution, paddy fields 6902. formulations, preservatives, xylene, sorbitol, biological control, Choristoneura Tumiferana 2667.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                fumiferana 2667. 
glycosaminephosphate isomerase (glutamine-forming) activity, anticapsin inactivation 6043. 
gramicidin D effects on proteinase activity 1412. 
gramicidin D effects on proteinase activity 6025. 
host-pathogen interactions, host-parasite interactions, predator-prey interactions, Spodoptera ittidralis, Zele chlorophthalma, Paederus alferii, 
Egypt, Arab Rep. 128. 
mutagenesis, resistant mutant, U.V. radiation, temperature, use biological 
control, insecta 6746. 
Pathogenicity biological control. Boarging pelanoria, 139.
              21:39.
Aspidosperma excelsum alkaloids antibacterial activity 5798.
Aspidosperma excelsum alkaloids antibacterial activity 5730.
bacillomycin, iturin A, effects on Saccharomyces cerevisiae growth, cytoplasmic membranes structure 4886.
biological control, post-harvest decay, brown rot, Monilinia fructicola, fruits 8053.
           8053.

offizioxime+water, antibacterial activity, disc-diffusion test 4046.
cell membranes, serine proteinase, purification, characterization 1783.
cell walls biodegradation, carbon sources. Aganicus bisporis mycelia growth 6151.
chemotactic methylesterase, purification, kinetics, characterization 3488.
oytochrome c oxidase effects on streptomycin uptake 9196.
endo-1,5-4-arabin/buctuor 74/71.
endo-1,5-4-arabin/buctuor 174/71.
gitsintegration 1789.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                control, Insecta 6746
pathogenicity, biological control, Boarmia selenaria 129,
pathogenicity, biological control, Culicidae 6085,
pathogens, biological control, Ransoma uniformis 123,
persistence, soil, immunofluorescence 3580,
pest control, efficacy, Simulium vittatum, USA, Tennessee 6086,
+ pesticides, integrated control, Heliothis virescens 135,
proteinase biosynthesis, amino acids effects on 918,
proteinase biosynthesis, amino acids effects on 6029,
proteinase, extracellular enzymes, biosynthesis, proteins effects on 1818,
serine proteinase active sites flanking regions, amino acid sequence, comparison
Bacillus cereus 5153.
        indicated and a second production of ATT.

Amount of Second production of ATT.

Amount of Second production of ATT.

Indicated production of Second producti
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   serotypes, endotoxins, toxicity, Aedes aegypti, biological control 8635.
spore crystals, surface net, morphology, toxicity, biological control, Bombyx
mori 2660.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             mori 2660. spores, dispersal, mathematical models 3544. spores, dispersal, mathematical models 3544. spores powder, biological control, Culex quinquefasciatus 6918. spores, protection, sunlight inactivation, biological control 119. sporulation, toxins biosymthesis, fermentation media 6070. strains pathogenicity, biological control, taxonomy 6924. toxicity, Adesa eagypti, Culex molestus, larvae, biological control 8647. toxicity, biological control, pollution effects, fresh water, larvae, Culex quinquefasciatus, Adeba eagypti 2565. **Loxin, propagation, whey recycling methodology, biological control, Insecta 1998.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             8-toxim, propagation, whey recycling methodology, biological control, Insecta 6899.

toxins precursors biosynthesis, genetic control 4487. toxins, toxicity, companison peptide antibiotics, larvae, Aedes aegypti 2661.

Bacillus thuringlenals aubap, entomocidus, endotoxins, biological control, Spodoptera littoralis 3563.

Bacillus thuringlenals aubap, colment, antibiotical 4396.

Bacillus thuringlenals aubap, colment, antipient of the articular 4396.

Bacillus thuringlenals aubap, colment, antipient characteristics, pathogenicity, Insecta 6913.

Bacillus thuringlenals aubap, antipient of the articular 4396.

Bacillus thuringlenals a
     sporulation, cylopiasmic membranes, proteins, purification, characterization 2555.

sporulation, stringent response, antibiotics effects on 2242.

subtilin biosynthesis 1419.

survival, oil samples 9040.

tichuronic acid, primary structure 7659.

vegetative cells, sporulation promotion factors, detection methodology 3334.

secillus aubilitia ver.niger,

spores, ethylene oxide resistance, sterilization cycles 4035.

spores, sterilization solutions, propylene oxide, chlorhexidine diacetate 4784.

secillus thermoproteolyticus,

neutral proteinase, immobilization, activity, thermal stability, radiation polymerization 1759.

secillus thermoproteolyticus,

aminopeptidises, purification, methodology 5136.

biological control, Choristoneura furniferana, endotoxins induction anorexia 3570.

biological control, Choristoneura furniferana, foliar applications, efficacy, persistence 3556.

biological control, Choristoneura furniferana, uSA, Wisconsin 139.

biological control, Choristoneura furniferana, india seconda 139.

biological control, cliencides, Leptoconops, bioloassays 3573.

biological control, effects on hemolymph amino acids, larvae, Spodoptera littoralis 6912.

lotocycle control, effects on predator-prey interactions, larvae, Spodoptera
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             nutrient requirements, spore crystals, inoculum production, use biological control 7601.

BacIllus thuringienals subsp.larselensis, biological control, composts, Lycoriella mait 6103. biological control, Culex pipiens, Aedes aegypti, Israel 2672. biological control, Culex pipiens, Aedes aegypti, Israel 3543. biological control, efficacy, Simuliidae, USA, South Carolina 4391. biological control, efficacy, Simuliidae, USA, South Carolina 4391. biological control, Simuliidae 137. biological control, Simuliidae 137. biological control, Simuliidae 137. biological control, sied trials 1854. Sendotoxin, cytopathology, cell culture, Aedes aegypti 4491. larvicides, Haematobia irritans, biological control 5209. lethality, larvae, Culex pipiens molestus, Theobaldia longiareolata, crowding effects on 124. powder, media (culture), production 3562.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   powder, media (culture), production 3562.
proteins crystals, solubilization methodology, toxicity, Aedes aegypti larvae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1859.
proteins toxicity assocaition Culicidae, isolation, characterization 1733.
toxins, biological control, Culicidae, toxicity 7790.
toxins precursors biosynthesis, genetic control 4487.

Bacillus thuringlensis subsp.kurstaki,
biological control, dose-response effects, field trials, USA, Michigan,
Choristoneura tumiferana 6078,
andetoxing biological control.
           biological control, effects on predator-prey interactions, larvae, Spodoptera littoralis 8643.
```

pological control, dose-response effects, field trials, USA, Michigan, Choristoneura fumiferana 6078.
sndotoxins, biological control, Spodoptera littoralis, Spodoptera exigua 3566.
+Neoplectana carpocaspae, biological control, pest control, Platyptilia carduidactyla 5216.
purification, cytotoxicity, binding, glycoproteins receptors, plasma membranes, Choristoneura fumiferana 5387.
toxins precursors biosynthesis, genetic control 4487.
Bacillus thuringlenals subsp.tensbrionis, biological control, Coleoptera 3569.
Bacillus thuringlenals subsp.thuringlenals, dosage, effects on, Spodoptera litura 6087.
Bacillus thuringlensis var.antomocidus, pathogenicity, synergism, chitinotytic bacteria, phagostimulants, protection, U.V. radiation, Spodoptera littoralis, biological control 131.
Bacillus thuringlensis var.antomicidus, suspended matter, turbidity, effects on biological control efficacy, Aedes agypti, Culex pipiens 8642.
Bacillus thuringlensis var.kurstaki, media (culture), γ-endotoxin production 7786. biological control, efficacy, bioassays, Culicidae larvae 6083. biological control, efficacy, Chironomus salinarius, population density, lakes 6084. bible) biological control, foliar applications, Choristoneura fumiferana 2652. biological control, Insecta, environmental factors 2671. biological control, insecta succeptibility, Choristoneura fumiferana 3554. biological control, instrue, Culex declarator, Simulium goeldii 136. biological control, onchocerciasis vectors, streams, Simulium ochraceum, Mexico 6915. 6915.
biological control, paddy fields, Psorophora columbiae 5264.
biological control, pest control, Etiella behril 2644.
biological control, Plodia interpunctella, Ephestia cautella 4386.
biological control, predator-prey interactions, Toxorhynchites, Culicidae 1841.
biological control, snow pools, Aedes, USA, Michigan 6919.
eli culture, growth, computer applications, monitoring, control 3326.
8-endotoxin, toxicity, biological control, Pectinophora gossypiella, Earias insulana, Agrotis ipsilion 5247.
endotoxins, biological control, Anopheles sundaicus 134.

```
Bacteria, (continued)
dishes 2245.
anbibitic sensitivity testing media 9151.
anbibitic sensitivity testing, photometry, computer applications 3076.
anbibitic sensitivity testing, urinary tract infection isolates, dogs 4787.
anbibitics activity, relationship, structure, physiology 9186, artibiotics, antibacterial activity, structure-activity relationships, clinical
       Bacitracin,
                      antibacterial activity, clinical isolates, Staphylococcus 4805. antibacterial activity, clinical isolates, Staphylococcus, Micrococcus, agar diffusion test 1661.
                      biosynthesis, Bacillus licheniformis, nutrient requirements, amino acids, proteins 1403.
       biosynthesis, temperature effects on, Bacillus licheniformis 4879 biosynthesis, temperature effects on, Bacillus licheniformis 5974.

Bacitracin A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       trials 9172
antibiotics biosynthesis, pH levels 2246.
antibiotics biosynthesis, relationship antibiotic resistance, reviews 9057.
antibiotics, structure, resistance, antimicrobial activity, reviews 2234.
antigens, cerebrospinal fluid, detection, agglutination comparison counter immunoelectrophoresis 2483.
antimicrobial activity, Butea monosperma seeds oils 4782.
antimicrobial activity, disinfectants, antiseptics, antimicrobial agents preservatives 9137.
antimicrobial activity, Orchidaceae roots oils 4779.
antimicrobial activity, Orchidaceae roots oils 4779.
antimicrobial agents, antibiotics, structure-activity relationships, reviews 9170.
                      copper(II) complex, E.S.R., Bacillus licheniformis 1413.
       Bacon,
                    canned food, fumaric acid esters, inhibition Clostridium botulinum, toxins tormation 7034. canned food, Staphylococcus aureus growth, enterotoxin A formation, water activity, temperature, oxygen 6979. contamination, Clostridium botulinum toxins production, radiation effects on 7039.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9170.

9170.

arginine dihydrolase, amino acid decarboxylase, detection, methodology 772. association, Hyaldia azteca, methodology, characterization, drinking water, disinfection 6712.

bacteria detection, bioluminescence, man 6767.

bact-raid detection, bioluminescence, man 6767.

bact-raid detection, bioluminescence, man 6767.

bact-raid detection, growth kinetics, products inhibition 6104.

beer spoilage, media (isolation) 4192.

biodegradation, a-methylstyrene 2700.

biodegradation, a-methylstyrene 2700.

biodegradation, benzolajpyrene, soil 4637.

biodegradation, carbofuran, fensulidribion, pesticide pollution, soil pollution 2173.
                      contamination, Clostridium botulinum toxins production, radiation effects on
                      food processing, spoilage, starter cultures 3709.
     Todo processing, sporiage, stainer cultures 3709.

Bacter test,
bacteremia detection, blood culture media 7572.
bactera growth, chemothe apy agents effects on, cancer patients 3319.
blood culture, false-positives, bacteria contamination, clinical microbiology
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             biodegradation, aromatic compounds + halogens, mechanisms, reviews 7826. biodegradation, aromatic compounds + halogens, mechanisms, reviews 7826. biodegradation, carbofuran, fensulfothion, pesticide pollution, soil pollution 2173. biodegradation, chitin, membranes 1036. biodegradation, crassostrea gigas, shells, minerals 4439. biodegradation, diberzothophene, thianaphthene, 2-thiophenecarboxylic acid, reviews 7827. biodegradation, monhalogenated bipheryls water pollution, sediments, aquatic environment, wastewater treatment 3682. biodegradation, monhalogenated bipheryls water pollution, sediments, aquatic environment, wastewater treatment 3682. biodegradation, oil, association, carbonation, reviews 4437. biodegradation, oil, sea water, continuous culture 1893. biodegradation, oil, sea water, continuous culture 1893. biodegradation, oil, sea water, continuous culture 1893. biodegradation, pulp mills, effluents 1467. biodederioration, biotesterioration, forest products, colonization, succession, preservatives, effects on 1241. biodeterioration, forest products, colonization, succession, preservatives, effects on 1241. biodeterioration, forest products, colonization, succession, preservatives, effects on 1241. biodeterioration, forest products, colonization, succession, preservatives, effects on preservatives, effects on text. biodeterioration, forest products, colonization, antimicrobial activity, mathematical models 1297. biodeterioration, eather, museums, Kuwait 1024. biodeterioration, standard reference materials 1028. biological control, leave fundamentals, preservatives, effects on text. preservatives, effects on text. preservatives, e
                      comparison, lysis centrifugation, detection, bacteria, man 3313. detection, bacteremia 742.
Antiperiodi, yeas currindgaton, detection, bacteria, man 3313. detection, bacteremia, blood culture, effects on, man 2521. detection, bacteremia, blood culture, effects on, man 2521. detection rates, Mycobacterium tuberculosis, Mycobacterium kansasii, Mycobacterium avium, Mycobacterium fortuitum 7583. identification, Mycobacterium, urease activity 692. media, antibiotics antibacterial activity reduction 6458. media (autiure) comparison, Mycobacterium isolation 1581. media (autiure), hypertonicity, detection, Haemophilius influenzae 698. blood culture, effects on, Bactec test, detection, man 2521. detection, Bactec test 742. detection, blood culture media (autiure) 1504. detection, blood culture media (autiure) 1504. detection, blood culture, media (autiure) 1604. detection, blood culture, samples volume 702. detection, blood culture, samples volume 702. detection, gliquid culture, samples volume 725. detection, sucrose, liquid culture, man 2522.
     2514. detection, sucrose, liquid culture, man 2522. diagnosis, blood culture analysis, acrdine orange use 1667. diagnosis, man, culture methodology 1630. diagnosis, man, culture methodology, centrifugation, filtration 2458. Staphylococcus aureus, endocarditis, measuring techniques, antibodies, teichoic acid, comparison, a-hemolysin, diagnosis, man 7620. Bacteria,
                    acteria, acrdine orange, staining, detection, blood culture 672. aerosols, mortuaries, environmental hygiene, ventilation 2415. agar, tea powders, inhibition 7369. arborne microorganisms, dispersal, waste water irrigation 1456. allcyclic ring biodegradation, reviews 8277. arminoglycoside artibiotics, antibiotic resistance, reviews 9051. arminoglycoside artibiotics, antibiotic resistance, reviews 9051. armylase, desizing, fabrics, textile industry 52. armylase, dextranase, hydrolysis, starch, dextran, sucrose production, industries 53. are aprilase measuring techniques, p-nitrophenylolycosides substrates 17.
                    industries 53.

--amylase measuring techniques, p-nitrophenylglycosides substrates 1794,
analysis, clinical microbiology, information systems, computer applications 6770.
analysis, chinical microbiology, information systems, computer applications 6770.
analysis, chinescreening methodology 1651.
analysis, urine screening methodology 1670.
animal isolates, anibiotic sensitivity testing 7420.
animal isolates, drug sensitivity testing 1326.
animal isolates, drug sensitivity testing 1326.
animal isolates, furg sensitivity testing 1326.
animal isolates, superites, in vitro, in vivo, antibacterial activity,
ceftazidime 5766.
antagonists, effects on pathogenesis, Phytophthora cactorum crown rot, Malus
5511.
                    amagonisas, errects on pamogenesis, Phytoprinora cactorum crown fot, Malu 5511.

artiblacterial activity, antibiotics, inhibition, protein biosynthesis, nucleic acids, cytoplasmic membranes, cell walls biosynthesis, tetrahydrofolate biosynthesis attivity, clindamycin+ceftazidime 6515.

artiblacterial activity, flavonoids, Salvia palaestina 4008.

artiblacterial activity, flavonoids, Salvia palaestina, ribosomes, nucleic acids, amino groups 9094.

artibliotic resistance, antibacterial activity, romparison, cefaclor, cephalexin, artibliotic resistance, antibacterial activity, rifamycin 7340.

artibliotic resistance, antibacterial activity, rifamycin 7340.

artibliotic resistance, books 9337.

artibliotic resistance, chloramphenicol, long-term effects 7323.

artibliotic resistance, chloramphenicol, long-term effects 7323.

artibliotic resistance, chloramphenicol, reviews 9052.

artibliotic resistance, chloramphenicol, reviews 9052.

artibliotic resistance, chloramphenicol, reviews 9052.

artibliotic resistance, conferences 847.

artibliotic resistance, conferences 847.

artibliotic resistance, conferences 847.

artibliotic resistance mechanisms, artibliotics uptake, reviews 9049.
                      ambibiotic resistance, conterences 9477
ambibiotic resistance mechanisms, ambibiotics uptake, reviews 9049, ambibiotic resistance mechanisms, evolution, selection, reviews 9056, ambibiotic resistance mechanisms, mutation, reviews 9056, ambibiotic resistance, relationship, ambibiotic sus, pospitals 9030, ambibiotic resistance, relationship, ambibiotic sus, pospitals 9030, ambibiotic resistance, role 3-lactamase, infection, clinical aspects, ambibiotic resistance, role 3-lactamase, role 3-
                    antibiotic resistance, role β-lactamase, infection, clinical aspects, reviews, man 3031.

antibiotic resistance, secreting 7315.

antibiotic resistance, selection, antibiotics treatment, man 6404.

antibiotic sensitivity testing 2249.

antibiotic sensitivity testing, automated methods 3258.

antibiotic sensitivity testing, celoperazone 502.

antibiotic sensitivity testing, celoperazone 502.

antibiotic sensitivity testing, celotaxime, disc-diffusion test 1387.

antibiotic sensitivity testing, clinical isolates, treatment, endometritis, cattle 4812.
                                        cattle 4813
                      antibiotic sensitivity testing, factors affecting disc-diffusion test, petri
```

acteria, (continued) Bacteria, (continued)
ethanol production, biotechnology, books, conferences 5943,
ethicium bromide fluorescence staining, blood samples 5044.
Eucalyptus, heartwood 364.
extracellular polymers, polysaccharides, staining 5060.
extracts 8433. acteria, (continued)
704.
contamination, blood culture, comparison, pathogens growth 3352.
contamination, cheese brines, filtration removal 192.
contamination, drinking water 2404.
contamination, foot processing, meat industry 3706.
contamination, foot processing, meat industry, food processing 3707.
contamination incidence, cerebrospinal fluid specimens, meningitis
false-positives, man 4785.
contamination, measuring techniques, comparison, methodology 7575.
contamination, measuring techniques, factors affecting, reviews 1897.
contamination, make a production contamination 3422.
contamination, sausages 1908.
contamination, soulage, sured products, meat products, food processing 3708.
contamination, spollage, cured products, meat products, food processing 3708.
contamination, spollage, cured products, meat products, food processing 3708.
contamination, spollage, cared products, meat products, food processing 3708.
contamination, syllage, sampling, methodology, meat 3715.
content, swift products of the prod carracts 843.

extracts 843.

extracts, artibiotics determination, electrochemistry methodology 3277.

extracts, detection, pentoxifylline metabolites, thin-layer chromatography, high-performance liquid chromatography 8433.

fatty acids, esters, biochemical analysis, methodology 3270.

fermentation, growth conditions 852.

fermentation, growth conditions 852.

fermentation, growth conditions 852.

fermentation, drodeum vulgare straw, pretreatment, use, alkalis, cellulase, effects on 1045.

fertilization effects on, soil, catchment areas, surface water, forests 2106.

films, air conditioning water, industries 5849.

films, organic compounds pollution biodegradation, ground water 8690.

films removal, surfaces, glyco-bis(β-aminoethyl ether)-N, N-tetracetic acid effects on 417.

flagella, staining, methodology 1576. effects on 417.
Hagella, staining, methodology 1576.
Hagella, staining, methodology 1576.
Hocculation, activated sludge, characterization 4119.
Hocculation, activated sludge, star production, activated sludge settlement, role, nutrient balance 2332.
Hourescence, cytolysis, effects on, Fusarium oxysporum f.sp.cucumerinum, chiamydospores, spore germination, soil 8227.
Hourometry, measuring techniques, proteins, amines, biotechnology 7556.
food contamination, food processing, chiorine dioxide, antibacterial activity, poultry, 720. continuous utilius 9778.

continuous utilius 9778.

continuous cultie, dissolved oxygen coefficients, determination methodology 668.

conversion, organic natter, wastes, biomass, methodology, books 6793.

colling towers, conce bactericidal activity 5851.

corresion, pipes, air conditioning 4877.

counting methods, glucose metabolism, food contamination 6177.

counting techniques, liquid culture 2450.

coupristing control oxygen enterior methodology, reviews 744.

culture collections, plasmids, genetic markers, computer programs 756.

culture preservation, methodology 4188.

cyanide, resistance, correlation, cytochromes, respiration (cyanide insensitive) 9045.

2,4-D biodegradation, polysaccharides soil amendment stimulation 6391.

decomposition, leaf litter, reservoirs, pollution effects, mines acids drainage 4429. poultry 7020. food contamination, ham, potassium sorbate, vacuum packaging, effects on food rood contamination, ham, potassium sorbate, vacuum packaging, effects spoilage 3730. food contamination, meat products quality, amines detection 6196. food contamination, minced meat 203. food contamination, seldood, Pisces 8712. food contamination, tomatoes, food processing effects on 6984. food poisoning, toxins, inactivation, cooking temperature, stuffing, poultry 5349. 5349.

150d sources, feeding, Aphelenchus avenae 7263.

L form, artificial symbiosis, piants 6345.

150fmyan sensitivity standardization, agar diffusion test 537.

150slmyon sensitivity standardization, agar diffusion test 537.

150slmyan sensitivity standardization, spar diffusion test 537.

150slmyan sensitivity standardization, Sorghum seedlings 8967.

150slmyan sensitivity standardization sensitivity sparse sensitivity spar 4429
dentrification, soil, association, Fagus sylvatica 2991.
dentrification, waste water, association, aeration 1466.
dental caries, fluoridation, children 8431,
dental caries, fluoridation effects on epidemiology, British Isles, children gastrointestinal tract infection, pathogenesis, man, vaccines development, reviews 2325.
genetic engineering, fermentation, proteins, recovery, reviews 7812.
genetic engineering, release, marine environment, estuaries, role, biodegradation, chemical pollution 3681.
genetic engineering, viruses vaccines production 4075.
glucosaminephosphate isomerase (glutamine-forming), anticapsin, inhibition 8382.
glucose isomerase, production, characterization 2618.
growth, Bactec test, chemotherapy agents effects on, cancer patients 3319.
growth, blood culture, detection, bioluminescence, ATP 751.
growth kinetics, feedback inhibition, batch culture 5920.
growth, juncheon meat contamination, nitrite association 2728.
growth, mathematical models, computer applications 4172.
growth, measuring techniques, use, electrical conductance meters 3311.
growth, mathematical models, computer applications 4472.
growth, spoilage, packaging, storage, light effects on, pork 4465.
2-haloacid dehalogenase, lactic acid enantioners production 8517.
host-pathogen interactions, botal plants, genetic analysis, host specificity 8767.
host-pathogen interactions, plants, reviews 4497.
hosts adsorption, phages enumeration methodology, water 2408.
hydrocarbons, aromatic compounds, biodegradation, reviews 8278.
hydrogen production 3594.
hydrocarbons, aromatic compounds, biodegradation, reviews 8278.
hydrogen production 3594.
hydrocarbons, aromatic compounds, biodegradation, reviews 8278.
hydrogen production 3594.
hydrocarbons, aromatic compounds, biodegradation, reviews 8278.
hydrocarbons, aromatic compounds, biod dental caries, prophylaxis, fluorine, drinking water, man, France 5868.
dental plaque, antibiotic sensitivity testing 5753.
desalination plants, microbiology, physicochemical properties, water quality dental plaque, antiblotic sensitivity testing 5783.
desalination plants, microbiology, physicochemical properties, water quality 4942.
detection, Bactec test, comparison, lysis centrifugation, man 3313.
detection, bioluminescence, man 6767.
detection, hydrogen peroxide production, 2,2-azino-di(3-ethyl benzthizaoline-6-sulfonic acid)+ horseradish peroxidase media 5900.
detection methodology, B-lactamase production relationship 3286.
detection methodology, diarrhea, man 5921.
detection methodology, vialrhea, man 5921.
detection methodology, vialrea, seasociation 1580.
detection, milk, methodology, reviews 207.
dextranase, isolation, characterization 5138.
3,4-dichloranilline biodegradation 6947.
disc-diffusion test, artibiotic sensitivity testing, standardization, quality control 8348.
disc-diffusion test, use, Mueller-Hinton agar 3077.
disease resistance, plant breeding, Gilycine max 5473.
disease resistance plant breeding, Gilycine max 5473.
disease resistance plant breeding, Gilycine max 5473.
disease resistance plant breeding, Sorphum 6897.
disinfectants, wastewater treatment, chlorine, residues 4938.
disinfection, rinking water distribution systems 8416.
disinfection, drinking water distribution systems 8416.
disinfection, orinking water distribution systems 8416.
disinfection, orinking water distribution systems 8479.
dissolved oxygen diffusion, mathematical models, activated sludge 9239.
DNA base composition, methodology 3289.
DNA hose composition, methodology 3289.
DNA flow cytometry methodology 3287.
DNA, thymidine, incorporation, measuring techniques 5907.
drug resistance, plasmids, fulliculal aspects 9953.
drug resistance, plasmids incidence, Salmo galridneri isolates 9072.
drug resistance, plasmids incidence, Salmo galridneri ice nucleation, frost, plants 4556. ice nucleation, nost, plants 4306. ice nucleation, plants 3781. identification, activated sludge reactors, cutting fluids biodegradation 178. identification, acyl type cell walls, use, glycolic acid assays, methodology 9299.

identification, odor perception 9287.

identification, odor perception 9287.

identification, urine culture, bacteriuria diagnosis 7594.

immobilized cells, methanogenesis, waste water, reactors 419.

immobilized cells, polymers supports 763.

immobilized cells, polymers, supports 763.

imicator species, comparison, enterovirus microbial pollution, swimming pools, florator species, pollution monitoring, microbial pollution, coastal waters 2400. 2400 indicator species, population levels, water temperature, rivers, estuaries 4131 indicator species, public health, accumulation, filter feeders, Gryphaea gasar indicator species water quality, abundance, Bivalvia 8424. indigenous species, community structure, nutritional status, biomass, ground water 5817. water 5817.
indigenous species, ground water, population levels, pollutants biodegradation, waste water infiltration 5813.
industrial strains, enzymes biosynthesis, regulation 2603.
infection, antibiotics treatment, man, books 2538.
infection, neonates, baths, washing, relationship, skin microflora, man 6729.
infectious diseases, diagnosis methodology, man 4191.
inhibition decay fungi, wound infection, Picsa abies 7238.
inhibition, spore germination, conidia, Bipolaris victoriae, soil fungistasis 8966. inoculum, preparation standardization, inoculation methodology 1665. inoculum, soil amendment, effects on yield, Solanum tuberosum, Zea mays 8201.

plasmids screening methodology 745.
pollutants biodegradation, ground water 5814.
pollutants biodegradation, ground water 5814.
pollution control, freshwater pollution, industrial wastes 4896.
polysacharides, bioassays, enzymes 7678.
polysacharides capsules, use vaccines, immunogenicity, reviews, man 3184.
polysacharides, characterization 7763.
polysacharides, industrial applications, biotechnology, reviews 8622.
polysacharides, industrial applications, biotechnology, reviews 8622.
polysacharides, industrial applications, biotechnology, reviews 8622.
polysacharides, polysachariase, characterization 2634.
population levels, rhizosphere, Zea mays, Vigna unguiculata, Colosynthis vulgaris
7264. intestinal microflora, rats, ecosystem analysis, methodology 7597. isolation, enzymes digestion, phloem, Catharanthus roseus 281. isolation, identification, methodology 3231. isolation, dientification, methodology, 3231. isolation methodology, penicillin amidase biosynthesis screening 33. isolation methodology, penicillin amidase biosynthesis screening 33. isolation methodology, plaga > lysogenization resistance 5910. isolation, respiratory tract, antibiotic sensitivity testing 3088. 9-lactam antibiotics resistance, β-lactamase activity 4702. 9-lactam antibiotics resistance, β-lactamase activity 4702. 9-lactamase, movalactam inactivation 57700. methodology, place production, clinical isolates, colorinety, cephalosporins 487. leaves decomposition 5306. levels, activity, soil, leaf litter, phenamiphos, oxamyl, effects on 9025. levels, association, chlorination, swimming pools, Australia 3220. levels, association, chlorination, swimming pools, Australia 3220. levels, association, chlorination, swimming pools, Australia 3220. Bacteria, (continued) postoperative infection, plastics prophylaxis, man 4958. production, ethane, ethylene, acetylene 8265. production, insulin, interferon, gene transfer 3524. production, vaccines, antisera, immune serum globulin, industrial applications 9218 9218.
proteinase activity, spectroscopy methodology 4213.
proteins, separation techniques, downstream processing 1600.
proteolytic enzymes detection, activity, association, biodegradation, leather, parchment 8693. proteins, separation techniques, downstream processing 1600, proteolytic enzymes detection, activity, association, biodegradation, leather, parchment 6983, detection, activity, association, biodegradation, leather, parchment 6983, proteolytic enzymes, tanning, leather 48, proteolytic enzymes, tanning, leather 48, duantification, media (selective), cystic fibrosis sputum 7588, additional formation of 4718, leading formation for a file of the covery, lysis centrifugation system, clinical trials 4159, recovery methodology, kidney diseases, man 1633, recovery, use, antimicrobial agents removal equipment, man 3228, regeneration, carbon (activated), water treatment 7496. regulatory mechanisms, enzymes, genetic control, industrial applications 851, relationship, food, resistance, carbon dioxide 1923, rhizoplane microorganisms, inoculation, inhibition, Plasmodiophora brassicae dubroot, Raphanus sativus 8867, microplane microorganisms, phosphorus, nitrogen, effects on, association Gramineae 6334. rhizoplaner microorganisms, phosphorus, nitrogen, effects on, association Gramineae 6334. Rhizophere microorganisms, Triticum aestivum, Hordeum vulgare, carbon, utilization, release 2930. rhizophere microorganisms, Triticum aestivum, Hordeum vulgare, carbon, utilization, release 2930. Rhix polymerase (DNA-dependent), rifandin effects on 8358. RNA polymerase (DNA-dependent), rifandin effects on 8358. RNA polymerase (DNA-dependent), rifandin effects on 8358. RNA polymerase (DNA-dependent), rifandin effects on 8358. respectively sanitizers, antimicrobial agents, dentures 2420. saprophyles, enumeration, methodology, water quality 6755. seediments analysis, cooling towers 561. seperation, density gradients methodology, water quality 6755. seediments analysis, cooling towers 561. seperation, density gradients methodology, water quality 6755. seediments analysis, cooling towers 561. seperation, density gradients methodology, water quality 6755. sewage studge, biodegradation, digestion (anaerobic), measuring techniques 4438, soline pro szub.
Evels, buildings biodeterioration 2720.
lignin biodegradation 6152.
lignin biodegradation, protocatechuate 3,4-dioxygenase, catechol 1,2-dioxygenase
4440. "44.0" [Ignin biodegradation, reviews 7829. [Ipopolysaccharides, purification 3537. [Inv., fluorescence staining, membrane potential, rhodamine 5025. [Ipopolysaccharides, biosynthesis 3481. [Inv., fluorescence staining, detection, sewage treatment 2331. malachite green, staining, detection, sewage treatment 2331. manganese, oxidation, reduction, valency, soil 6386. [Inv., fluorescence, fluor 3265.
media (culture), oxygen adsorption rates, aeration column, sewage treatment 3291.
media (culture), use, glycerophosphate, Tris 7579.
metabolism, furan, tetrahydrofuran, reviews 7824.
metabs resistance, methodology, drug sensitivity testing 3017.
metals tolerance, antibiotic resistance, drinking water isolates 6433.
methane production, animal wastes fermentation, kinetics, mathematical models 9033. methanogenesis, landfills, waste treatment 1457. microbial pollution, lakes, runoff, pollution monitoring, mathematical models 565.

microbiocidal activity, ozone, nosocomial environments 2411.
microbiology, contamination, meat, public heath 4458.
microflora, antibiotic resistance, neonates, man 7332.
microflora, electrical stimulation, sodium chloride, sodium nitrite effects on, beef 6976.
microflora, man burn infection, antibiotic sensitivity testing 3084.
monosodium methanearsonate, metabolism, conversion 1284.
monspolicym, media (culture), isolation, diagnosis, methodology 4187.
most probable number methodology, dilution relationship 1628.
nitrogen containing aromatic compounds, biodepradation 1005.
nitrogen containing aromatic compounds, biodepradation 1005.
nitrogen containing aromatic compounds, biodepradation 1005.
nitrogen fixation, biochemical characteristics, regulation, nitrogenase, reviews 4656. 4050.

introgen fixation evolution, biosphere, paleoenvironments 2171.

nitrogen fixation, Leguminosae, interspecific relationships, books 5094.

nitrogen sources, carbon sources, bioassays, acetylene reduction, effects on 7614. norfloxacin disc-diffusion test, bacteria, standardization 3047, nosocomial infection, epidemiology, carpets, hospitals, man 581. Oil, association, railway tracks, stimulation, biodetenoration, field trials 1305. meat 6987.

spoilage, beer 5327.

spoilage, contamination, meat, books 4242.

spoilage, com, preservation, ammonia+propionic acid 7025.

spoilage, eggs, detection, automated methods, comparison organoleptic evaluation 1052. 1305. organic acids, salts, antimicrobial activity, silage 6489. oxidase, growth, Campylobacter media (selective) 1654. oxidation, molybdenum ores 9031. pathogens, association, nuclear polyhedrosis virus propagation, biological control, Lymantria dispar 6907. pathogens, microbial pollution, estuaries 6713. pathogens, microbial pollution, estuaries 6713. pathogens, natural enemies, surveys, use, biological control, Tipula paludosa 2662. 1052.
spoilage, hydrogen sulfide, Gadus morhua 3689.
spoilage, meat 3711.
spoilage, meat, refrigeration 3712.
spoilage, milk, pasteurization, cold storage 1910.
spoilage, milk, products 6964.
spoilage, proteolytic enzymes, milk, refrigeration, pasteurization, shelf life 5175. sponsey, procetypic enzymes, mink, reingeration, pasteurization, sherr the spolitage, steller files predictions, refrigeration, milk 6174, spolitage, steller pasteurization, freezing, seafood, Crassostrea virginica 5364, sporses, heat resistance, food industry 7030, sporses, heat resistance, food industry 7030, sporses, heat resistance, mechanisms, food industry 7028, sporses, pathogens, aerosols, laminar air flow, safety cabinets 9262, sporses, pathogens, aerosols, laminar air flow, safety cabinets 9262, sporses, resistance, hydrogen peroxide, food industry 6414, sporticides, reviews 1323, spot, Kalanchoe blossfeldiana, etiology 4555, statining, phosphatase assays 8610, statining, tolonium chloride 5922, starvation, survival, nutrient availability, soil isolates, clinical isolates, fresh water, lakes 9224, substrates specificity, mixed culture 1598, subtilisin, active sites serine residues, tryptophan residues distance, fluorescence 899. subtilisin, active sites serine residues, tryptophan residues distance, fluorescence 899.
sulfate reduction, monitoring, radioactive labelling, methodology 3346, surfactants biodegradation, alcohol dehydrogenase, anyisulphatase 189, survival, artioactive treatment, food contamination 7031, survival, mutavital effluents, shales 413, survival, mathematical models, lagoons, wastewater treatment 1472, survival, mathematical models, lagoons, wastewater treatment 1472, survival, parameter of the survival, oil samples 9040, symbionts, leaves, Tozzia alpina 8204, symbionts, leaves, Tozzia alpina 8204, symbionts, leaves, Tozzia alpina 8204, symbionts, loaves, Tozzia alpina 8204, symbionts, loaves, Tozzia, alpina 8204, symbionts, loaves, loav

Jurnary tract, antibacterial activity, norfloxacin, factors affecting drug resistance 6466.

urinary tract, clinical isolates, susceptibility, desferrioxamine 4729.

urinary tract, clinical isolates, susceptibility, desferrioxamine 4729.

urinary tract infection, man, drugs treatment 2212.

urinary tract microflora isolates, antibiotic sensitivity testing 6501.

use, DNA recombination, methodology 841.

use, wastewater treatment, waste water, toxicants, methodology 8399.

vaccines production, veterinary medicine, reviews 5806.

verifical distribution, indigenous species, ground water 5816.

vaste water, irrigation, crop fields, soil properties, characterization 4924.

wastewater treatment, animal wastes effluents 7512.

water isolates, biodegradation, isopropyl N-phenylcarbamate, 2,4-D 6945.

water isolates, biodegradation Scolytus ventralis attack, Abies 5586.

wood, decomposition, Prinus silvestris, Fagus silvatica 7239.

xenobiotics biodegradation, reviews 1011.

zylose isomerase, biotechnology, reviews 2597.

xylose utilization 3594.

setericidae encymes, ATP levels, bioassays 8564.

Sectericidae encymes, ATP levels, bioassays 8564.

Sectericidae, activity, Serratia marcescens, hemocoel body fluids, Glycera dibrarchista 451.

chemical control, Legionella pneumophila contamination, cooling towers 78 Bacteria, (continued) chemical control, Legionella pneumophila contamination, cooling towers 7531. Sectoriochi Typing, methodology, Stephologocous, mechanisms, development 7329.

Bactarloine resistance, Staphylococous, mechanisms, development 7329.

Bactarloine methodology, phototrophic bacteria 9318.

Bactarloichlorophyll, extraction methodology, phototrophic bacteria 9318.

Bactarloichlorophyll a, Chromatium vinosum, preparation 2670.

precursors, 2-(1-hydroxyethyl)-2-desvinyl chlorophyllide a, isolation, characterization, Rhodopseudomonas sphaeroides 6893.

Bactarloichlorophyll c, structure, high-performance liquid chromatography methodology, Prosthecochloris aestuarii 9315.

Bacteriochi Typing, methodology, Streptococcus group A, identification, methodology 7616.

Bacteriochi Typing, methodology, Streptococcus group A, identification, methodology 7616.

Bacteriochi antibiotic resistance relationship, Clostridium perfringens 4707.

Bacteriochia antibiotic resistance relationship, Clostridium perfringens 4707.

Bacteriochia, purification, characterization 3143.

Corynebacterium glutamicum, biosynthesis, physicochemical properties 9200. Iactacin B, purification, characterization, Lactobacillus acidophilus 9203.

Streptococcous cremoris, antibacterial activity, role dairy starters 2311.

Yersinal intermedia, antibacterial activity, priysicochemical properties 522.

Bacterioria, antibiotic resistance, Alaboacterioria, antibiotic properties, antibiotic properties, antibiotic sensitivity, physicochemical properties 522.

Bacterioria, diagnosis, antibiotic sensitivity testing, electrochemistry, dissolved oxygen fevels 8345.

detection automated memoranes, Micrococcus aureus, Micrococcus yeardeticturia, alcumented a otic resistance, Staphylococcus, mechanisms, development 7329. Bacterins, aerobriuria,
aerobic bacteria, diagnosis, antibiotic sensitivity testing, electrochemistry,
dissolved oxygen levels 8345.
detection, aufomated methods, urine screening 3339.
detection, leukocytes esterase activity 731.
detection, leukocytes esterase activity 731.
detection, inne, automated methods 726.
diagnosis, urine culture, bacteria identification 7594.
diagnosis, urine culture, bacteria identification 7594.
diagnosis, urine preservatives, media (transport) 1608.
diagnosis, urine screening, man 1642.
dipsilide test, detection 7574.
Escherichta ooli isolates, identification methodology, drug sensitivity testing
2464.
urine screening, automated methods 7577. 2464.

urine screening, automated methods 7577.

urine, screening, automated methods, clinical microbiology 690.

urine, screening methodology 750.

urine screening projects, Autobac test, staining 6784.

acteroldacese,
septicemia defection, liquid culture methodology, man 2466.

acteroldes,
antibacterial activity, antibiotic synergism, cefsulodin, +sulbactam, +cefoxitin,
+cefotaxime 6512.

antibacterial activity. defoiramide. analcillin 3101. +-coroxavme 6512.
antibacterial activity, cepiramide, apalcillin 3101.
antibacterial activity, fludalanine+ pentizidone 6454.
antibiotic FCE 22101 antibacterial activity 1431.
antibiotic resistance, antibiotic sensitivity testing, plasmids transfer, reviews 7335.
antibiotic sensitivity testing, moxalactam 6514.
antibiotic sensitivity testing, penicillin G, β-lactam antibiotics 9159.
cephalosporins artiblacterial activity 1918.
clindamycin antibiotic resistance, detection 3014.
fermentation, hemicelluloses, energy resources 6156.
Identification, U.V. radiation fluorescence 1617.
Identification, biochemical characteristics 2505.
mucopolysacchandase, purification, characterization 97.

Bacteroides, (continued)
penicilin, antibiotic resistance, β-lactamase production, oral cavity,
clinical isolates 7334.
phenylacetic acid biosynthesis 855.
vancomycin antibacterial activity, use, media (selective) 3125.
Bacteroides cellulosolvens,
cellulase 7740.
Bacteroides fragilis,
antibacterial activity, bicyclomycin 3164.
antibacterial activity, ciprofloxacin, comparison, norfloxacin, nalidixic acid
6465.
antibacterial activity, ciprofloxacin, comparison, norfloxacin, nalidixic acid
antibacterial activity, ciprofloxacin, 6543. oetos, antibacterial activity, pirlimycin 6543, antibacterial activity, 7α-methoxy cephalosporins, comparison, 7β-methoxy/iminoacetamido cephalosporins 3096. antibalotic resistance, cephalosporins, clavulariic acid inhibition β-lactamase artibiotic resistance, cindamycin, clinical isolates 7318.

artibiotic RU 2995, artibacterial activity 4878.

artibiotic enstitivity testing, β-lactamase activity 7407.

artibiotic sensitivity testing, β-lactamase activity 7407.

artibiotic sensitivity testing, β-lactamase activity 7407.

artibiotic sensitivity testing, ampicilin, carbenicillin, mezlocillin, azlocillin, pierarel-linked immunosorbent assay, urine, experimental infection, enzyme-linked immunosorbent assay, urine, experimental infection, enzyme-linked immunosorbent assay detection, urine, man 7604. bacteriocins purfication, characterization 3143.

capsules, lipopolysaccharides, polysaccharides, fatty acid composition 6887. cefoxitin antibiotic resistance 1309.

calvulanic acid effects on β-lactam antibiotics antibacterial activity 6499. clindamycin antibiotic resistance, detection 3014.

clinical isolates, antibacterial activity, cortimoxazole 8301, clinical isolates, antibacterial activity testing, antibiotic resistance, surveys 7348. clinical isolates, antimicrobial agents, bacteriostasis, bacterioidal activity 7402. TAG2.

Illinical isolates, metronidazole, antibiotic resistance 8291.

Illinical isolates, movalactam, antibacterial activity 5768.

DNA biosynthesis, metronidazole inhibition, bactericidal activity 2213.

drug sensitivity testing, inoculum preparations 1334.

gentamicin, antibiotic synergism, penicillin, clindamycin, metronidazole 3118.

indicator species, membrane filtration, media (isolation), water 4936.

infection, man, epidemiology, P-lactam antibiotics, antibiotics sensitivity testing 7409.

9-lactamase, cetoxitin stability 1394.

9-lactamase, cetoxitin pH, inoculation, effects on, ciprofloxacin, antibacterial activity 4733.

Bacteroides IIvil,
3-ketodihydrosphingosine synthetase, L-cycloserine inhibition 7472.

Bacteroides melaninogenicus,
gentamicin, antibiotic synthetase, L-cycloserine inhibition 7472.

Bacteroides melaninogenicus,
gentamicin, antibiotic syntegism, penicillin, clindamycin, metronidazole 3118.
protection, penicillin antibacterial activity, role, facultative bacteria
β-lactamase production 5775.

Bacteroides melaninogenicus subsp.nielaninogenicus,
identification, U.V. radiation fluorescence 1617.

Bacteroides melaninogenicus subsp.melaninogenicus,
identification, U.V. radiation fluorescence 1617.

Bacteroides melaninogenicus subsp.melaninogenicus,
identification, U.V. radiation fluorescence 1617.

Bacteroides melaninogenicus subsp.melaninogenicus,
ini, irrotenis, agglutination, absorption, bioassays, methodology 678.
pili, proteins, agglutination, absorption, bioassays, methodology 678.
pili, vaccines, shemal stability, characterization 7757.

Bacteroides uccinogenes,
endo-1,4-p-D-glucanase activity 3517.

Bacteroides thetalotaomicron,
protein biosynthesis inhibition, galactosamine role 1820.

Bacteroides uccinogenes,
proteinias sociation, membranes, molecular weight 5793. Dectur under uniformie, bacteriocins, association, membranes, molecular weight 5793. Bacteroides vulgatus, mixed culture, Escherichia coli, antibacterial activity, aztreonam cefotaxime 9182. Bacteroids, Bradyrhizobium japonicum, denitrification pathway, in vitro 8995. metabolites uptake, Bradyrhizobium japonicum 6385. plasma membranes, Rhizobium, role nitrogen fixation, nodules, Leguminosae 2976. Rhizobium, carborlydrates, organic acids, metabolism, nodules, reviews, Leguminosae 2975. Rhizobium japonicum, poly-β-hydroxybutyrate, high-pressure liquid chromatography, characterization 1653. Rhizobium, nitrogenase, acetylene reduction, oxygen effects on, nodules, Vigna unguiculata, Arachis hypogaea 7291. Beculovirus, biological control, Adoxophyes orana 2642. biological control, pathogenicity, infectivity, nontarget organisms, Palaemonetes vulgaris 6921. **Bacteroids** Baeocystin, isolation, high-performance liquid chromatography, alkaloids, Psilocybe 3751. Saffilomycin,
Streptomyces griseus biosynthesis, isolation, structure, antibacterial activity, antifungal activity 4873.
structure, Streptomyces griseus subsp.sulphurus 8372. structure, Streptomyces grissus suuspussionen.

Bagasse,
carriers, Rhizobium inoculum, cold storage, yield, Vigna unguiculata 2982.
carriers, Rhizobium inoculum, cold storage, yield, Vigna unguiculata 2982.
cellulolytic enzymes production, Trichoderma 6023.
fermentation, bacteria single-cell protein production 1734.
hemicelluloses, sodium hydroxide hydrolysis, production, xylose isomerase,
endo-1,3-β-D-xylanase, Streptomyces flavogriseus 5186.
hydrolysisse, hemicelluloses, carbohydrate composition, sugars, amino acid
composition, use, carbon sources, fermentation 6677,
hydrolysis, mathematical models, media (culture), single-cell protein production,
cellulolytic bacteria 4353.
hydrolysis, sugars production, Trichoderma reessei cellulase 1808. hydrolysis, sugars production, Trichoderma reesel cellulase 1808. microwave radiation pretreatment, cellulose, Trichoderma viride 5128.

Bacteroides, (continued)

Begasse, (continued)
ozone pretreatment effects on biodegradation 1880.
pretreatment, addum hydroxide, biodegradation, single-cell protein production,
Chaetomium cellulolyticum 1715.
Saccharum officinale, Aspergillus fumigatus biodegradation, enzymes role 186.
Bakery products,
dough fermentation, microorganisms 5326.
yeasts microflora, USSR 191.

Baking,
byognodiuds, entrade, Saccharomics, security (Saccharomics) Basidiomycetes, (continued)
monophenol monooxygenase, tyrosine hydroxylation, role superoxide 2594.
mycorrhizas, ecological distribution, Arctic, alpine environments, conferences 2546.
nutritive value, characterization 8700.
plant diseases, Zea mays, Arachis hypogaea, Glycine max, Phaseolus vulgaris,
pathogenesis 1111.
pretreatment, Triticum aestivum straw, lignin biodegradation 1009.
production, poteolytic enzymes, renin 6829.
saprophytes, phosphatase, comparison ectomycorrhizas, phosphate, nutrient uptake
Betula pubescens, Pinus controta 557s.
sodium levels 5341.
white rot, lignin biodegradation, lignocelluloses fermentation, optimization,
straw, Triticum aestivum 1887. Baking, by-products, extracts, Saccharomyces cerevisiae 201. heat penetration, survival, microorganisms, bread 6966. industries, flour, starch hydrolysis, α-amylase, fungi 198. Banana moselc virus, Isanana mosaic virus, disease transmission, vectors, Aphis gossypii, Musa textilis 6276.
Bangladesh, Enterobacteriaceae, antibiotic resistance, rivers, ponds 4133.
Barbarea vulgaris, host range, Spiroplasma citri 4557.
Bert. Basidiospores,
Cronartium flaccidum, spore germination, fluorescence brighteners effects on 2529 host range, Spirupiasina unit of carriery, and carriery, Broussonetia kazinoki, retting, pectinolytic enzymes, Erwinia carctovora 7680. composting, solid wastes, agricultural wastes 4099. composting, starter cultures, competition, thermophilic microorganisms 4103. Eucalyptus marginata, water content, relationship Phytophthora cinnamoni infaction, 358. court of the control 5559
Heterobasidion annosum, deposition, airspora, epidemiology, forests, Tsuga heterophylla 8944.

Batch culture, cell culture, mathematical models, Saccharomyces cerevisiae 8503. celludises hydrolysis, celludises 6537. Escherichia coli, fluorescence, measuring techniques, growth rate 8475. Escherichia coli, glucose feeding, electrodes monitoring 676. ethanol production, immobilized cells, yeasts 3619. ethanol production, noise filters, computer applications, growth, yeasts 3630. feedback inhibition, growth kinetics, bacteria 5920. fermentation, computer applications monitoring, methanol addition, Pseudomonas 8633. Eucalyptus marginata, water content, relationship Phytophthora cinnamomi infection 358 infection, Endothiella aggregata sp. nov., Pinus cantorta 8185. Inga, Ilex, Mallotus, Robinia, Cynometra, nitrogen-fixing bacteria activity 8147. Mallotus japonicus, Ilex pedunculosa, nitrogen-fixing bacteria activity, atmospheric pressure, oxygen, effects on 8148. Malus pumila, distribtion, tomato nispost virus 7994. melicopicine, tecleanthine, 6-methoxy tecleanthine, antifungal activity, Cladosportum cucumerium, antibacterial activity, Bacillus subtilis 4738. nitrogen-fixing bacteria, nitrogen fixation, Bruguiera gymnorrhiza 2098. phenols, levels, Nectria occinea var.faginata, host-pathogen interactions, Fagus grandifolia 8188. 8633. granulus o roc.

Populus, necrosis, Xanthomonas campestris pv.populi 8171.

Teclea trichocarpa, melicopicine, tecleanthine, 6-methoxy tecleanthine, antithogal activity, Cladosportum cucumerinum, antibacterial activity, Bacillus subtilis 4738. fermentation, models, kinetics 3631. glucose fermentation, ethanol production, Zymomonas mobilis 3602. glucose fermentation, production, acetone, butanol, Clostridium acetobutylicum sublitis 4738.

Barley,
contamination, mycotoxins 1082.
contamination, ochratoxin A, citrinin, production, Aspergillus ochraceus,
Penicillum vindicatum 5375.
fungi mycelia penertation 1080.
Pusarium zearalenone incident 1079.

Barley stripe mosale virus,
detection, localization, Triticum aestivum infected cells, immunochemistry
methodology 4522.
infection, alcohol dehydrogenase Adh1 gene mutation, nucleotide sequence, Zea
mays 7152.
infection, seeds, Hordeum vulgare, effects on, yield 4516.
virulence, Avena fatua 6241.

Barley yellow dwarf virus,
com hosts intermediates, association Gramineae infection 1996.
detection, enzyme-linked immunosorbent assay, Gramineae 8802.
disease resistance, Avena 5414.
disease resistance, Avena 5414.
disease resistance, and intrinance, plant breeding, Avena sativa× Avena sterilis
8072. 4383 Kluyveromyces fragilis, inulinase, association, β-D-galactosidase, production 7745. 774s. media (culture), inoculum production, Rhizobium leguminosarum var phaseoli 505t methodology, microorganisms, ecological evaluation, laboratories, reviews 4974. Nitrobacter growth, continuous culture comparison, soil isolates 9016. nutrient concentrations, association, fermentation, cellulose, Clostridium nutrient concentrations, association, fermentation, cellulose, Clostridium thermocellum 4443. photosynthesis, energetics, phototrophic bacteria 9304, photosynthesis, energetics, phototrophic bacteria 9304, polysacchardes, production, Alcaligenes faecalis 2629, productivity comparison, continuous culture, Candida brassi 5104, wood biodegradation, energy resources, digestion (anaerobic), microorganisms 3655. xylose isomerase production, Arthrobacter globiformis 6870. **Bathrooms**,

trains, airborne microorganisms analysis 579. Baths, contamination, Pseudomonas aeruginosa, skin infection, man 566, neonates, relationship, skin microflora, bacteria infection, man 6729, spas, folliculitis, Pseudomonas aeruginosa, case reports, man 7530, water, measuring techniques, heat production, adiabatic fermentation 5271. 8072.

Hordeum vulgare, effects on disease resistance, Pyrenophora teres net blotch, Rhynchosporium secalis leaf blotch 1196. incidence, relationship planting density, Hordeum vulgare, crop fields 256. infection, Agropyron, disease resistance, genetic control 8089. infection, Avena byzantina, double-stranded RNA 260. infection, Gramineae, Aphididae inferaction 1989. infection, Hordeum vulgare, pathology, Hungary 7949. inoculation, dose-response effects, Hordeum vulgare, triticum aestivum, Avena sativa 8783. spas, folicities, resudentials seruginosa, esta water, measuring techniques, heat production, Bay N 7133, drug sensitivity testing, Candida albicans 5741. BCG, purification, cytoskeleton, Mycobacterium bovis 3542. vaccines, characterization 8387. vaccines production, colonial characteristics 4079. microbial pollution, enterovirus, indicator species, seasonal variations 6708.

Bean common mosaic virus,
introgen, effects on, Vigna radiata, biomass, yield, growth 4511.

Bean golden mosaic virus,
+tobacco mosaic virus, mixed infection, Phaseolus vulgaris, pathogenesis 244. sativa 8783.
monoclonal antibodies, hybridoma, characterization 5892.
plant diseases, Zea mays, susceptibility 4513.
Barley yellow mosale virus,
disease resistance, plant breeding, Hordeum vulgare 4569.
Base composition,
bacteria DNA, methodology 3298. Bean pod mottle virus, illustrationally, reasonate variation, paracoperation and the virus, disease transmission, Cerotoma trifurcata, population density, Glycine max 243. infection, Glycine max, effects on Bradyrhizobium japonicum nodulation, nitrogen fixation 7140. Bases,
treatment, effects on hydrophobicity, ultrastructure, endotoxins, Salmonella
minnesota 4476.
Basidlobolus,
antifungal activity, amphotericin B, miconazole, ketoconazole, 5-fluorocytosine,
potassium iodide 7380.
Basidlomycetas,
biodegradation, coconuts fibers, Ascomycetes, Deuteromycetes, effects on 1031.
biological control, Trichoderma volatiles 7245.
composts, heat production, mathematical models 4463.
culture, books 3389.
culture, fruit bodies production, infestation, pest control 7855.
culture, fruit bodies production, infestation, Phoridae, Sciaridae, Nematoda
7854.
culture, fruit bodies production, volatiles, fumes effects on 7845.
culture, fruit bodies production, volatiles, fumes effects on 7845. fixation 7/40.

Bean yellow mosalc virus, disease resistance, cultivars, Phaseolus vulgaris 1208. disease resistance, cultivars, Phaseolus vulgaris 1208. disease resistance plant breeding screening projects, Vicia faba 3873. disease spread, Vicia faba, epidemiology, vectors. Aphididae 5405. enzyme-linked immunosorbent assay detection 7927. infection, detection, use, electrophoresis, Iris 8816. infection, inhibition, reproduction, yield, Vicia faba 7938. infection, Trifolium, host range, field trials 1113. plant diseases, Pisum sativum, amino acid composition 6227. Beans. Beans, caras, fungi contamination, ionizing radiation antifungal activity 4568. canned food, spoilage, gas production, Bacillus stearothermophilus 6988. fermented food production, role, lactic acid bacteria 211 oflobiosus 6980. Jucas, Glycine max, sugars fermentation, Lactobacillus cellobiosus 6980. Jucas, Glycine max, sugars fermentation, lactic acid, Lactobacillus cellobiosus culture, fruit bodies production, volatiles, fumes effects on 7845. 
culture, fruit bodies yield, compost 1680. 
culture, fruit bodies yield, compost 1680. 
culture, fruit bodies yield, compost 1680. 
culture, use, digestion (anaerobic), industrial wastes, methanogenesis 8404. 
decay fungi, biodegradation, insulation foams, buildings 7243. 
decay fungi, wood, Salix nigra, Populus deltoides 8197. 
decay fungi, wood, Salix nigra, Populus deltoides 8197. 
decompostriase, fruit bodies, basicilospores, inocultum, colonization, seedlings, 
Betula pendula 5559. 
ectomycorritizas, leaves, Tozzia alpina 8204. 
ectomycorritizas, leaves, Tozzia alpina 8204. 
ectomycorritizas, leaves, Tozzia alpina 8204. 
function, infection, infection, airconductivity, Pluns ponderosa 8194. 
infection, seedlings, cold storage, Picea ables 8175. 
infection, seedlings, cold storage, Picea ables 8175. 
infection, seedlings, cold storage, Picea ables 8175. 
infection, gedings, mediaretar, pest control 8109. 
lignin biodegradation, reviews 7829. 
monophenol monooxygenase detection, methodology 4217. 
monophenol monooxygenase, hydroxylation 2,4-dihydroxyphenylethylamine, 
2,4-dihydroxyphenylelanine 890. culture, fruit bodies production, volatiles, fumes effects on 7845. 5316 Phaseolus vulgaris, Lactobacillus cellobiosus fermentation, mannitol biodegradation, Lactobacillus plantarum 7003. Vicia laba, aflatoxins contamination, Egypt 7085. Vicia (aba, aflatoxins contamination, Egypt 7085.

Beauverlic hasaiana,
beauverlich blosynthesis, cell-free system 3132.

biological control, host plents effects on susceptibility, Leptinotarsa
decemilineata 2651.

biological control, larvae, Indarbela quadrinotata 6081.

biological control, Oryzaephilus surinamensis 3574.

biological control, oli colonization, disease reservoirs, Curculio caryae 5263.

conidia pathogenicity, replication, relative humidity effects on, biological
control, Bilissus leucopterus 7766.

conidia subculture effects on pathogenicity, biological control, Galleria
mellonelliz, 2556.

mellonella 2656. inoculum survival, soil, pest control, pupae, Leptinotarsa decemilineata 5213.

70

Beauveria bassians, (continued) spores survival, fungicides effects on, biological control, Leptinotarsa deceminenta 2647. Beauveria felina,

sauvena reina, oxirapentyn, isolation, structure 2310. sauvericin, biosynthesis, cell-free system, Beauveria bassiana 3132. biosynthesis, Paecilomyces fumoso-roseus 8379.

Bacillus subtlis spores, recovery methodology 6965.
Bacillus subtlis spores, recovery methodology 6965.
comed beet, canned food, Staphylococcus aureus contamination, growth 6180.
electrical stimulation, sodium chloride, sodium nitrite effects on bacteria

microtiora 6976.

extracts, ferric chloride flocculation, poliovirus 1 recovery 4990.

hot-boning, temperature effects on growth, Escherichia coli, Salmonella typhimurium 6959.

minced meat, textured soy protein, acidification effects on bacteria growth.

minced meat, textured soy protein, acidification effects on bacteria growth, spoilage 6987. 
refrigeration, Salmonella survival, antibiotic resistance 7005. 
refrigeration, Salmonella survival, antibiotic resistance 7005. 
spoilage, Staphylococcus aureus, Salmonella hadar, Salmonella typhimurium, 
freeze-thawing storage effects on 6975. 
sulfur containing simulated flavor compounds volatiles, chemical composition, 
Saccharomyces cerevisiae 1046. 
remperature, effects on, Clostridium perfringens, Staphylococcus aureus, growth 
7029.

brewing, wort fermentation, yeasts 984.
2.3-butanedione, 2,3-pentanedione, flavor compounds, isoleucine-valine operon, cloning, Saccharomyces cerevisiae 7797.
ethanol, fermentation, yeasts 5327.
fermentation, antifloam agents effects on bitterness compounds formation, yeasts

3987.
fermentation, histamine levels 6131.
fermentation, organoleptic evaluation, fermenters, yeasts 6932.
fermentation, use, yeasts immobilization 8670.
fermentation, wort addition, flavor, yeasts 2691.
flavor, yeasts effects on 2683.
maturation, yeasts brewing, use, Lactobacillus casei acetolactate decarboxylase

rosun, microorganisms contamination, reviews 6147. spoilage, bacteria detection, fermentation 6940. spoilage, bacteria, media (isolation) 4192. spoilage, lactic acid bacteria 1872. spoilage, lactic acid bacteria 1872. spoilage, lactic acid bacteria 1872. worf termentation, phenyl carbonic acids, production, temperature effects on accept the control of the control

2682
Beet curity top virus,
putification, Capsella bursa-pastoris, methodology, isolation, monomers, dimers,
characterization 3241.
Beet mosale virus,
plant diseases, Bera vulgaris, etiology, Albania 6258.
Beet western yellows virus,
antigenic relationship, tomato yellow top virus, potato leaf roll virus,
infection, tubers, Solanum tuberosum 8031,
insolates, R1MA characterization, Capsella bursa-pastoris 8668,
plant diseases, Beta vulgaris, Lactuca sativa, Brassica, Israel 4539.
Begonia socutrapowdery mildow, etiology 5464.
Beljertnika,
soli, Trinidad, Tobago 6359.
Beljelum,
Trinidad, Tobago 6359.

Beljerinkia, soli, Trinidad, Tobago 8359.

Belglum, soli, Trinidad, Tobago 8359.

Belglum, soli, Trinidad, Tobago 8359.

Beltraniella humlocia, spot, Purica granatum fruits, new records 2002.

Bemilais absentiatission, tomato leaf curl virus infection, Lycopersicon esculentum, association, environmental factors 8022.

disease transmission, watermelon mosaic virus 2, squash mosaic virus, epidemiology, Cucumis melo, Cucurbita pepo, USA, California 3821.

squash leaf curl virus vector-borne diseases, characterization, disease transmission, Cucurbita 1150.

vectors, disease transmission, cowpea mosaic virus, infectivity, Vigna unguiculata 3784, vectors, population density, seasonal variations, cowpea mosaic virus, Vigna unguiculata, Phaseolus lunatus 3783.

Benlate,

antifungal activity, Macrophoma mangifera 4587.

antifungal activity, Macrophoma mangifera 4587.

disease control, brown rust, fertilizer applications, yield, Hordeum vulgare

2900.

Benomyl,
antifungal activity, fuels, biodeterioration, Cladosporium resinae 1298.
antifungal activity, sensitivity, isolates variability, Rhizoctonia solani 8117.
cross-resistance, Penicillium digitatum, green mold, post-harvest decay 2200.
disease control, Asocochyta rabiel, disease transmission, Cicer arietinum,
seedlings 1969.
disease control, Botryosphaeria dothidea, Botryosphaeria ribis, wound infection,
pruning, Prunus persica 8913.
disease control, Botryosphaeria hoot blight, Pistacia vera 2896.
disease control, canker, Botryosphaeria dothidea, Malus pumila, USA, Georgia

3900

disease control, Carya illinoensis veins spot, Gnomina nerviseda, funigicides

1137.
disease control, fungi, seed treatments, Zea mays 2093.
disease control, Nectria cinnabarina canker, Gleditisa triacanthos 3915.
disease control, Phytophthrac acatorum fruit rot, Botrytis cinerea grey mold,
Fragaria chiloensis 7214.
disease control, post-harvest decay, oranges, stem rot, green mold 5470.
disease control, Pythium aphanidermatum damping-off, Lycopersicon esculentum

1228

disease control, Pythium, dieback, Daucus carota 8116. disease control, root rot, Ficus benjamina 8916. disease control, Scierothia, crown rot, stem rot, Medicago sativa 5527. drug sensitivity testing, Pseudocercosperella herpotrichoides 3899. drug tolerance, Mycosphaerella fijiensis 7325.

Benomyl, (continued)

effects on shoots tissue culture, infected Solanum tuberosum, potato virus X, potato virus S 8001.

potato virus S 8001.

foliar applications, effects on Verticiliium lecanii, biological control, Myzus persicae, Macrosiphoniella sanborni 6091.

funcioles, disease control, leaf rust, stripe rust, triticum aestivum 2904.

+metalatyi, funigation, comparison, drenches, disease control, Phytophthora fragariae infection, Fragaria 1182.

prevention, Cylindrocladium heptaseptatum, Cylindrocladium pteridis, post-harvest decay, Rumohra adiantiformis 8128.

decay, Rumohra adiantiformis 8128. resistance, Monilinia laxa, Prunus ammeniaca, detection, characterization 1139. resistance, Penicillium italicum, Penicillium digitatum, post-harvest decay, benzimidazoles 2901. Rhizoctonia sensitivity 8106. role, Colletotrichum gloeosporioides polygalacturonase inhibition 1224. seed treatments, seed germination, Zea mays 2094. + streptomychin -erythromycin, seed treatments, stimulation, Bradyrhizobium japonicum, rhizosphere colonization, Glycine max 9017. use, Cronartium quercuum fsp. banksianae rust disease control, Pinus 3916. Partizzon. Bentazon,

Bentazon, antibacterial activity, Streptomyces soil isolates 4737. Benzalkonlum chloride, antibacterial activity, surfactants effects on 9261. biodegradation, acclimatization, activated sludge 4112.

biodegradation, reviews 8278. triacylgiycerol lipase interaction, chemical modification 6033. Benzimidazolee, resistance, Didymella bryoniae, stem blight, Cucumis 1223. tolerance, Verticillium dahliae 5720.

Benzo[a]pyrene, biodegradation, reviews 8278. biodegradation, soil, bacteria 4637. Benzodifuran.

antiviral activity, nucleic acids interaction 6483.

Benzoic acid.

Benzolc acid, biodegradation kinetics, Pseudomonas 6944. biodegradation kinetics, Pseudomonas 6944. derivatives, biodegradation, acclimitization, activated sludge 5829. derivatives, biodegradation, Micrococcus 3664. effects on Aspergillus flavus aflatoxin B1 biosynthesis, in vitro 7095, effects on Byssochlamys nivea, biomass, patulin biosynthesis 6207. Benzolactame,

inhibition peptidyl dipeptidase A 2306.

Benzoquinone,
effects on urea hydrolysis, urease activity, soil 7250.

Benzo(f)quinoilne, combustion products, phage P22 mutagenicity testing, Salmonella typhimurium 3331.

combustion products, phage P22 mutagenicity testing, Salmonella typhimurium 333 Benzthlazuron, herbicidos, nitrification, soil 9026. Benzyl isothlocyanate, Carica papaya, relationship, disease resistance, Phytophthora palmivora 3861. Benzyl 2-methyl-3-oxobutyrit acid, reduction, α-methyl β-hydroxy esters biosynthesis, yeasts 3560. N-(Benzyldithio-pchaemic acid, aryl esters, artifungal activity 2224. Benzyloxypyridazines, disease control, Rhizottonia solani, sheath blight, Oryza sativa 5534. Benzylpenicillin, artibacterial activity, inhibition, β-lactamase 6532. antibiotic resistance, Staphylococcus aureus, relationship protein A biosynthesis 9054.

9054.

9054.
deacylation, penicillin amidase activity, models 7436.
deacylation, 6-aminopenicillanic acid production, penicillin amidase activity,
bioreactors 6531.
interaction, Neissenia gonorrhoeae, antibacterial activity, probenecid 6459.
production, industrial applications, Penicillium chrysogenum 9171.
synthesis, 2-oxo-penams, penams 6537.

Berberis,
Pseudomonas syringae pv.berberidis etiology, leafspot, leaf fall, British Isles 8873 Berberis candidula

Pseudomonas syringae pv.berberidis etiology, leafspot, leaf fall, British Isles

Berberis gagnepainil,
Pseudomonas syringae pv.berberidis etiology, leafspot, leaf fall, British Isles 8873.

Berberis hookeri, Pseudomonas syringae pv.berberidis etiology, leafspot, leaf fall, British Isles

8873

Berberis Julianae, Pseudomonas syringae pv.berberidis etiology, leafspot, leaf fall, British Isles 8873

oxides, inhibition Rhizobium leguminosarum var.trifolii nodulation, Trifolium 7294. Beryllium.

7294.

Beta vulgarts,
crop residues, polysaccharides, β-D-fructofuranosidase hydrolysis 8674.
damping-off, biological control, Pythium oligandrum 8111.
extracts, pigments production, fermentation, Candida utilis 6069.
food processing wastes, digestion (anaerobic), methanogenesis 6691.
juices, fermentation, ethanol, Saccharomyces cerevisiae 987.
Laetisaria arvaiis, antagonism, effects on, Phoma betae, infection 8032.
nitrogen-fixing bacteria competition 1278.
plant diseases, beet mosaic virus, etiology, Albania 6258.
plant diseases, bet western yellows virus, Israel 4539.
Pythium utilmum root rot, Laetisaria arvaiis biological control 323.
roots, plant diseases, plant viruses, vectors, Polymyxa betae, British Isles
7190.

7190.

roots, transport, sodium, potassium, fusicoccin effects on 8741. rosette, etiology, rickettsia-like organisms 3845. seed treatments, Agrobacterium radiobacter polysaccharides, roots growth

Bile acids, binding, mycelia, single-cell protein, Penicillium commune 7675, effects on antibiotic resistance, Staphylococcus 6439, measuring techniques, bioluminescence bioassays, immobilized enzymes, alkanal monooxygenase (FMN-linked)+dihydrolipoamide dehydrogenase+3α-hydroxystero dehydrogenase 3482, metabolism, Eubacterium 1888, metabolism, Eubacterium 1888. Beta vulgaris, (continued) stimulation, biological control, damping-off, Pythium ultimum 2891. seedlings, Phoma betae infection, disease control 8851. tubers, sugars fermentation, ethanol production, cost-benefit analysis 8656. tubers, sugars fermentation, ethanol production, cost-certent analysis outeracrees, metabolities, Phoma betae, isolation, characterization, new records 7115.

Petacenore C, Phoma betae, isolation, characterization, new records 7115.

Betaenore D, Phoma betae, isolation, characterization, new records 7115.

Betaenore E, isolation, characterization, new records 7115. nitrofuran, antibacterial activity, Staphylococcus 7358. - introfuran, antibacterial activity, Staphylococcus 7358.

Bile aaits,
bilisay tract infection, effects on antibiotics antibacterial activity 4042.
Biliary tract,
infection, bile salts effects on antibiotics antibacterial activity,
Staphylococcus 4042.
Biliary refunction, bile salts effects on antibiotics antibacterial activity,
Staphylococcus 4042.
Biliary effective for activity,
Biloacumulation,
copper, polysaccharides adsorption 3975.
heavy metals, polysaccharides adsorption, Zoogloea ramigera 3973.
metals, leaching, reviews, microorganisms 5692.
silver, autoradiography, conidia, Botrytis cinerae 8484.
sulfur, Thiobacillus ferroxoxidans, localization 2181.
trehalose, streptomycin production, Streptomyces griseus 4848.
Biloasays,
Bilo Phoma betae, isolation, characterization, new records 7115.

Betaenone F, Phoma betae, isolation, characterization, new records 7115.

Betaine, Betains, effects on, Propionibacterium shermanii, Propionibacterium, cyanocobalamin, biosynthesis 146, stimulation, cyanocobalamin, biosynthesis, 5-aminolaevulinate synthase, mediation, Pseudomonas denitrificans 6094, stimulation, Pseudomonas denitrificans, cyanocobalamin, production, association, protein biosynthesis 4401.

Betulia, Lust, lemperature effects on, spore germination, urediniospores, Melampsoridium Bloassays, acetyl-CoA acetyltransferase, activity, Klebsiella pneumoniae, characterization 8612. betulinum 8950.
seedlings inoculation, roots colonization, succession, spatial distribution, soil, ectomycorrhizas 5556. acetyl-CoA acetyltransferase, activity, Klebsiella pneumoniae, characterization 8612.
activated sludge respiration, toxicity testing, chemical pollution 543.
agar diffusion test, metronidazole, Clostridium perfringens 7365.
agglutination, virulence, Yersinia 6758.
alkanal monoxygenase (FMN-linked), ATP, Staphylococcus aureus, methicillin, antibacterial activity 4069.
amphotericin B, spectrophotometry, Streptomyces nodesus 4857.
ATP levels, immobilized enzymes, bacterial luciferase 8564.
ATP, Mycobacterium leprae viability, leprosy, man 7584.
Bacillus subtilis, Bacillus stearothermophilus, spores, sterilization, medical instruments, dental manipulation 7545.
Bacillus thuringiensis, biological control, Cullicoides, Leptoconops 3573.
Bacillus thuringiensis, biological control efficacy, Culicidae larvae 6083.
bacteria, colonization, roots, Zea mays, interspecific relationships 4639.
bioluminescence, bite acids measuring techniques, immobilized enzymes, alkanal monoxygenase (FMN-linked) - dihydrolipoamide dehydrogenase + 3c-hydroxystero dehydrogenase - 4820.
Clostridium difficile, antisera, adsorption, detection, toxins 5382.
crown gall, Matus pumila, Rosa rugosa 343.
Clostridium difficile, antisera, adsorption, detection, toxins 5382.
crown gall, Matus pumila, Rosa rugosa 343.
Clostridium difficile, antisera, adsorption, detection, toxins 5382.
crown gall, Matus pumila, Rosa rugosa 545.
Scherichia coli, serum levels, tobramycin, netlimicin 4866.
Escherichia coli, serum levels, tobramycin, netlimicin 4866.
Escherichia coli, serum levels, tobramycin, netlimicin 4866.
Escherichia coli, serum levels, Pseudomonas campetris proposassays, Candida tropicalis acyl-CoA oxidase 586. Serula alba, water stress, Botryosphaeria dothidea, hyphae, morphology 4614. water stress, Botryosphaeria dotinidea, hypnae, morpnology 461-8. Betule glandulcae, litter biodegradation, leaves, winter, sub-polar environments 3907. Betule pendulca, seedings, colonization, basidiospores inoculum, ectomycorrhizas 5559. seedings, colonization, ectomycorrhizas, spreading, Betula pubescens 5558. transmission (vertical), cherry leaf roll virus, virus-like particles, localization, pollen, arthers 7990. localization, pollen, airthers 7990.

Betule pubecens,
Basidomycetes, ectomycorrhizas, Finland 2102.
ectomycorrhizas, Boletaceae, ecological distribution, Finland 2100.
ectomycorrhizas, blosphate, nutrient uptake, phosphatese, comparison saprophytes,
Basidomycetes 5575.
Basidomycetes 5576.
Basidomycorrhizas, spreading, colonization, seedlings, Betula pendula 5558.
Betula pendula 5558.
Betula pendula 5557.
Betula pendula 5558. ectomycorthizas succession, spreading, spatial distribution, fruit bodies 5557.

Beverages,
bottles, spoilage, microorganisms, reviews 7872.
microorganisms contamination, pasteurization, cooling water 1913.

BHK cells,
herpes simplex virus infected, 9-(2-hydroxyethoxymethyl)guanine effects on DNA
biosynthesis 4767.

Bialaphos,
B Escherichia coli, serum levels, lobramycin, netilmicin 4866. Escherichia coli, soli, hydroxamic acid siderophores incidence 675. fatty acids serum levels. Pseudomonas aeruginosa bioassays, Candida tropicalis acyl-CoA oxidase 586. focus formation, methodology, avian reticuloendotheliosis virus 5015. focus fotelection, Escherichia coli 7844. focus 616. focus 616 biosynthesis 4767.

Bilalaphoa,
streptomyces hygroscopicus, use bioassays, cyanocobalamin 5905.

Bibliographiea,
aliatoxins, contamination, food 5379.
indicator species, microbial pollution, reviews, water analysis 4945.
moxalactam 5771.
reviews, denirthication, wastewater treatment 4908.
reviews, disnifection, wastewater treatment 4914.
reviews, disnifection, wastewater treatment 4917.
reviews, inclustrial wastes, wastewater treatment 4917.
reviews, public health, land disposal, wastewater treatment 4911.
reviews, wastewater treatment, activated states and the second of the second contamination of the second c Blcarbonate, glucose, acetic acid, effects on, digestion (anaerobic), waste treatment 3191. 
Blcyclomycin, antiboacterial activity, anaerobic bacteria 3164. 
synthesis, diketo piperazine, chemical modification 8371. 
Blcyclo(3.2.0 | hepit-2-en-8-one, reduction, dehydrogenase, Saccharomyces cerevisiae, Curvularia lunata, Mortierella ramanniana 5255. 
Bidens mottle virus, infection, Compositae susceptibility 3825. 
Biffenox. Bloavailability, university of the security of water 1476. biodegradation assays, reviews 7822. biodegradation, dissolved oxygen, organic matter, biomass, microorganisms, ATP, waste water, rivers 1454, oxygen consumption, monitoring, automated methods, activated sludge 6688. wastes water, chemical analysis, electrodes, immobilized cells 768. wastes, microorganisms, measuring techniques, enumeration, waste water, biochemical characteristics, reviews 4918. Bifenox, effects on, development, mycorrhizas, Pinus ponderosa, Pseudotsuga menziesii Billdobacterium,
clinical isolates, antibiotic sensitivity testing 4043.
Billdobacterium adolescens,
isolation, foces, man, indicator species, water pollution 562.
Billdobacterium billdum,
protoplasts induction 6752.
Billdobacterium billdum subsp.pennsylvanicum,
β-D-galactosidase, purification, characterization 3515.
Billdobacterium breve,
isolation, feces, man, indicator species, water pollution 562.
Billtonazole. Blocides, antibacterial activity, sulfate-reducing bacteria, use, oil and gas industry 1299.
Control, fungi, biodeterioration, wool 1288.
Biodegradablitty,
aromatic compounds, ozonation, wastewater treatment 2371.
pyridines, nitrilotriacetic acid, dodecylbenzene, stearic acid, solubility, Isolation, reces, iritat, including a fifth acade, artifungal activity, inhibition, ergosterol biosynthesis, yeasts, dermatophyte fungi 8314.

Biken test, Escherichia coli enterotoxins detection, traveller's diarrhea clinical isolates 1038. pyridines, nitrilotriacetic acid, dodecylbenzene, stearic acid, solubility, microorganisms 6158.

Blodegradation, acetonitrile, nitrilase, amidase, Brevibacterium 3665. adhesives, forest products, fungi 7241. alicyclic alkanes, reviews, microorganisms 8281. alicyclic ring, reviews 82777. alkanes, reviews, microorganisms 8280. alikyl sutfonates, wastewater treatment, Pseudomonas rathonis 6952. alikyl autonates, wastewater treatment, Pseudomonas rathonis 6952. alikyl sutfonates, wastewater treatment, Pseudomonas rathonis 6952. alikyl sutfonation, p

matlea. Lauconostoc oenos resistance, effects on viability, freeze-drying, matolactic fermentation, wine 6125, α-hydroxysteroid dehydrogenase+alkanal moroxygenase (FMN-linked)+AAD(P)+ dehydrogenase (FMN), serum 5131. effects on ambitotic resistance, Staphylococcus 6439.

Blodegradation, (continued)
aniline, dodecyt benzene sulfonate, microorganisms, characterization 1033.
aniline, Fratouria 6182.
aniline, metabolic pathways, aquatic microorganisms 8688.
aniline, nitrification inhibition, activated sludge 4093.
aniline, hhodococcus erythropolis 2708.
aromatic compounds +halogens, microorganisms, mechanisms, reviews 7826.
aromatic compounds, adsorption, carbon (activated), wastewater treatment 1475.
aromatic compounds, pathway characterization, plasmids genetic control, reviews 8279. Blodegradation, (continued)
hexamethylene diamine, Bacillus subtilis, storage conditions effects on,
hexamethylene diamine, biodegradation, Bacillus subtilis, storage conditions
effects on 1007. effects on 1007 hydrocarbons, aromatic compounds, reviews 8278 hydrocarbons, aromatic compounds, reviews 8278 hydrocarbons, gases, reviews, microorganisms 8283. hydrocarbons, industrial effluents, oil and gas industry, wastewater treatment, Pseudomonas aeruginosa, Egypt 2190, hydrocarbons, metabolism, isobutane, propane, oxygenase activity, Nocardia paraffinicum 8275. hydrocarbons, plasmids, genetic analysis, reviews, hydrocarbon-degrading bacteria aromatic hydrocarbons, chlorination, TOL plasmid, Pseudomonas cepacia, Pseudomonas 5313.

aromatic hydrocarbons, chlorination, TOL plasmid, Pseudomonas cepacia, Pseudomonas 5313.

aromatic hydrocarbons, reviews, microorganisms 8282.

Arthrobacter, lignocelluloses, effects on, dipestibility, Ruminantia 7882.

Arthrobacter, lignocelluloses, effects on, dipestibility, Ruminantia 7882.

Arthrobacter, lignocelluloses, effects on, dipestibility, Ruminantia 7882.

Aspergillus furnigatus, Saccharum officinale bagasse, enzymes, role 186.

assays, chemical pollution, aquatic microorganisms, rivers 2329.

association, Pseudomonas, vanillic acid, catabolism 1000.

Bacillus brevis, Achromobacter, 4-chlorobiphenyl 5304.

bacteria, peparin, chondrottin sulfate, media use detection 9293.

bacteria, cil, sampling, enumeration, reviews 4437.

bacteria, il, sae water, continuous culture 1893.

bacteria, reviews, pathway evolution, enzymes activity 7821.

bagasse, sodium hydroxide pretreatment, single-cell protein production, Chaetomium cellulolyticum 1715.

Basidiomycotes, occonutar 5tbers, Ascomycetes, Deuteromycetes, effects on 1031.

bertzol ajpyrene, soil, bacteria 4637.

bertzol ajpyrene, soil, bacteria 4637.

bertzol adot derivatives, Micrococcus 3864.

bertzoic acid, phenols, derivatives, accidimitization, activated sludge 5829.

1.4-butadiene polymors, Moraxetla 6163.

rearbon (activated) adsorption, activate pollution, soil pollution 2173.

carbon (activated) adsorption, pateria, pesticie pollution, soil pollution 2173.

carbon (activated) adsorption, aromatic compounds removal, water treatment 7502.

carbon (activated) adsorption, aromatic compounds removal, water treatment 7501.

+ carbon (activated) adsorption, water treatment 7498.

+ carbon (activated) adsorption, solomenhanes removal, water treatment 7501.

+ carbon (activated) adsorption, solomenhanes removal, water treatment 7502.

carbon compounds, reviews 7823.

carbon solomental processing activity, immolitized cells, Alcaligenes faecalis 5190.

cellulose, b.D aromatic hydrocarbons, chlorination, TOL plasmid, Pseudomonas cepacia hydrocarbons, plasmids, genetic analysis, reviews, hydrocarbon-degrading ba 8284. 
hydrocarbons, Pseudomonas aeruginosa 4683. 
hydrocarbons, Pseudomonas, mechanisms 3886. 
hydrocarbons, reviews 8276. 
hydrocarbons, reviews 8276. 
hydrocarbons, seviews 8276. 
hydrocarbons, seviews 8276. 
hydrocarbons, soul, sewage situdge, applications, microorganisms, role 4686. 
hydrocarbons, soul, sewage situdge, applications, microorganisms, role 4686. 
hydrocarbons, soul, sewage situdge, applications, microorganisms, role 4686. 
hydrocarbons, soul pollution, microorganisms, reviews 1018. 
hydrocarbons, soul pollution, microorganisms, reviews 1018. 
hydrocarbons, soul pollution, water treatment 7646. 
hinetics, phenol, activated adsorption, water treatment 7646. 
hinetics, phenol, activated sludge 6674. 
land disposal soil pollution, microorganisms 4120. 
laudanosine, oudation, Pseudomonas purida 2715. 
lagini, Apergillus 7619. 
lignin, Apergillus 7619. 
lignin, Apergillus 7705. 
lignin, decay fungi, white rot, brown rot, soft rot, vaniilic acid, syringic 
acid, metabolism 2705. 
lignin, decay fungi, white rot, brown rot, soft rot, vaniilic acid, syringic 
acid, metabolism 2705. 
lignin, humus formation, pathway, microorganisms 8965. 
lignin, humus formation, pathway, microorganisms 8965. 
lignin, humus formation, pathway microorganisms 8965. 
lignin, lignocelluloses cellulase deficient mutant, Sporofrichum pulverulentum 
1886. 
lignin, lignocelluloses fermentation, white rot, optimization, straw, Triticum 
1886. lignin, lignocelluloses fermentation, white rot, optimization, straw, Triticum lignin, Ilgnocelluloses fermentation, white rot, optimization, straw, Triticum aestivum 1887.
lignin, mechanisms, Phanerochaete chrysosporium 4442.
lignin, metabolism 5308.
lignin, microorganisms 2725.
lignin, microorganisms 7820.
lignin, phacrochaete chrysosporium 1884.
lignin, protocatechuate 3,4-dioxygenase, catechol 1,2-dioxygenase, fungi, lignin, Phaneröchaete chrysosporium 1884.

lignin, protocatechuate 3, 4-dioxygenase, catechol 1,2-dioxygenase, fungi, bacteria 4440.

lignin, reviews 3599.

lignin, reviews 3599.

lignin, reviews 7829.

lignin, Streptomyces viridosporus, Streptomyces setonii, protoplast fusion, enhancement 2702.

lignin, Streytomyces viridosporus, Streptomyces setonii, protoplast fusion, enhancement 2702.

lignin, Trichosporon penicililiatum, crop residues, Zea mays 6950.

lignin, Trichosporon penicililiatum, crop residues, Zea mays 6950.

lignin, Trichosporon penicililiatum, crop residues, Zea mays 6950.

lignin, Trichosporon penicililiatum, crop residues, Lea mays 6950.

lignin, Streytomy penicililiatum, crop residues, Lea mays 6950.

lignin, Streytomy penicililiatum, pretreatment, sodium hydroxide, hydrogen fluoride, steam, single-cell protein production 1712.

lignocelluloses, Cotton, ginning, industrial wastes, textile industry, Pycnoporus cinnabarinus 6164.

lignocelluloses, Capthus, Crucibulum laeve, Nidula niveo-tomentosa, Triticum aestivum, Acer saccharium 6948.

lignocelluloses, microorganisms, enzymatic activity 3688.

lignocelluloses, microorganisms, enzymatic activity 3688.

lignocelluloses, microorganisms 9023.

lignocelluloses, Soli microorganisms 9023.

liter, winter, putrient loss 9017.

luncheon meat, isolation, Bacillus licheniformis, Streptococcus faecium 2727.

macrophytes, lignocelluloses, cellulase, Trichoderma 2711.

methanol, metabolites production, biotechnology, reviews, methylotrophic bacter 5228.

methoxychlor, soil microorganisms 9024. 5190. cellulose, biomass measurements, monitoring, computer applications, fermentation, Sporocytophaga myxococcoldes 6165. cellulose, hydrogen peroxide, free radicals, brown rot, Poria placenta 6173. cellulose, Myceliophthora thermophila, taxonomy 1889. cellulose, soli microorganisms, preservatives 7302. CGA-15281, soil microorganisms, structure-activity relationships, orchards, Prunus persica 5686. chemical pollution, marine environment, estuaries, role, genetic engineering microorganisms release 3681. chemical pollution, monochlorobiphenyls, biphenyl, rivers 185. chemical pollution, use, genetic engineering microorganisms, books, conferences 3392. 339.2
chemical pollution, use, genetic engineering microorganisms, ecological evaluation 3685.
chitin membranes, bacteria 1036.
6-chitoro-N-ethyl-1,3,5-triazine-2,4-diamine, Rhodococcus corallinus 8691.
2-chitoro-1,3,5-triazine-4,6-diamine, Pseudomonas 7634.
chitoroberzene, bacteria, isolation, metabolism, characterization 2718.
chitoroberzeoites, Aspergilius niger 6170.
3-chitoroberzeoite acid, piasmids, gene transfer, Pseudomonas putida 1008.
chitorophenol, bacteria, sewage studge 2703.
confferyl alcohol, fungi 190.
Crassostrea gigas, shells, minerals, bacteria 4439.
crecosote, aquirers contamination, methanogenic bacteria, Pseudomonas stutzeri 5815.
cyanuric acid, soil microorganisms 1894. ews, methylotrophic bacteria 5815.
cyanuric acid, soil microorganisms 1894.
2.4-D, phenoxyacetic acid, chlorine derivatives, hydrophobicity, structure-activity relationships, Pseudomonas putida 1882.
2.4-D, soil amendment polysaccharides stimulation, bacteria 6389.
2.4-D, soil moisture, soil temperature, soil microorganisms 6390.
2.4-D, stimulation, soil amendment, organic compounds, bacteria 6391.
2.4-D, temperature effects on, soil microorganisms 4433.
Daucus carota, cellulase, pectinase 6538.
Daucus carota, cellulase, pectinase 6536.
detergents, aikyi sulphatase, purification, characterization, Pseudomonas 4343.
detergents, estuaries, fundi, estuaries, reslawater emvironments 1037.
dibenzothiophene, thianaphthene, 2-thiophenecarboxylic acid, bacteria, reviews 7825. 5228. 5228.
methoxychlor, soil microorganisms 9024.
methylene chloride, metabolism, Pseudomonas 3661.

α-methylsyrnene, bacteria 2700.
microorganisms, Abies alba leaves 181.
microorganisms, books 163.
microorganisms, books 163.
microorganisms, isolation, media (culture), measuring techniques, reviews, books nucroorganisms, isoproturon, persistence, soil 4630.
microorganisms, lignocelluloses, lignin, polysaccharides, Spartina alterniffora,
Rhizophora mangle 5305.
microorganisms, oil and gas industry effluents, effects on, USA, Wyoming rivers nicroorganisms, oil and gas industry effluents, effects on, USA, Wyoming rivers 9038
microorganisms, plants toxins effects on 870.
monchalogenated biphenyls water pollution, bacteria, sediments, aquatic environment, wastewater freatment 3682.
monmethyl suifate, industrial wastes, Hyphomicrobium 1016.
nicotine, enantiomers, Pseudomonas putida 6149.
nicotine, enantiomers, Pseudomonas putida 6149.
nicotine, engli 1890.
nitrate reduction, 3.4-dichioroaniline, Escherichia coli 6161.
nitrogen contaning aromatic compounds, bacteria 1005.
o-nitrophenol, m-nitrophenol, Pseudomonas putida 6157.
nutrient availability, ash, land disposal, soli microorganisms 8257.
octane, algae = Acinetobacter calcoaceticus 2191.
oil, association, carbazoles, bacteria 4884.
oil dispersants, aquatic bacteria, sea water 1876.
oil dispersants, effects on, bacteria 1903.
oil spillis, marine environment isolates, Penicillium, yeasts 7310.
oil spillis, marine environment, enzymes, microorganisms 180.
organic compounds, microorganisms, wastewater treatment, industrial effluents 4990. dibenzothiophene, hijanaphthene, 2-thiophenecarboxylic acid, bacteria, reviews 7825.

3.4-dichloroaniline, bacteria, fungi 6947.

1,2-dichloroethane, gram-negative bacilli 1020. diethyl phthalate, aquatic microorganisms 7837. dihydrolinally acetate, Pseudomonas incognita 6957.

2,4-dinitrotoluene conversion, wastewater treatment, activated sludge 7493. disinfectants, acclimatization, activated sludge 4112. dissolved oxygen, organic matter, biochemical oxygen demand, biomass, microorganisms, ATP, waste water, rivers 1454. Eisenia bicyclis β-D-glucan, Rhizopus exc-1,3-β-D-glucanase 3670. 3-(4-ethoxy-3-methoxyphenyl)-2-(4"-methoxyphenyl)propionic acid, association, lignin, metabolism, Phanerochaete chrysosporium 3652. ethylbenzene, 1-phenylethanol, plasmids, Pseudomonas fluorescens 4425. filter paper, Gramineae root rot fungi 1001.

1-fluoronaphihalene, stereoselectivity, Curninghamella elegans 7835. forests, litter, wood, microorganisms 3507. diversional forescens accordance of the stereoselectivity curninghamella elegans 7835. forests, litter, wood, microorganisms 3507. diversional forescens accordance of the stereoselectivity curninghamella elegans 7835. forests, litter, wood, microorganisms 3507. diversional forescens accordance of the stereoselectivity curninghamella elegans 7835. forests, litter, wood, microorganisms 3507. diversional forescensional forescensio 4090 organic compounds pollution, bacteria tilms, ground water 8690 organic compounds, reviews, books 8495. organic compounds, reviews, books 8495. organic compounds, waste treatment, industrial wastes, microorganisms 1015. organic compounds, Zoogloea, activated sludge 7490. organic matter, carbon-14 enrichment, flux, turnover, soil microorganisms, soil 8964.

Biodeterioration, (continued) colonization, forest products, microorganisms, relationship, catalase activity, creosote, effects on 1245 contamination, fuels, Cladosporium resinae, nutrient requirements 1306. corn, storage, fungl 1165. forest products, bacteria, fungi, colonization, succession, preservatives, effects on 1241. espenyation 1250. Biodegradation, (continued)
organic matter, soil microorganisms, crop fields 1265.
organic matter, succession, community development, microorganisms, soil, reviews
4625. réganic matter, succession, community development, microorganisms, soil, rev 4625, pathway, augenol. Pseudomonas 4421. PCB, soil microorganisms 6976. peatlands, physicochemical properties, microorganisms 2152. peatlands, physicochemical properties, microorganisms 2152. peatlands, physicochemical properties, microorganisms 2152. peatlachiorophenol, bacteria, role, wastewater treatment 7031. pentachiorophenol, bacteria, role, wastewater treatment 1035. pesticide residues, Saccharomyces cerevisiae, association, fermentation 990. pesticides, microorganisms enzymes, reviews 1019. pesticides (organochiorine), bacteria 1014. petroleum, Acinetobacter calcoaceticus var. anitratus 4682. petroleum, acinetobacter calcoaceticus var. anitratus 4682. petroleum, microorganisms, reviews 8287. petroleum, microorganisms, reviews 8287. petroleum, soil microorganisms, reviews 8285. petroleum, soil microorganisms, between 8285. petroleum, soil microorganisms, between 8287. petroleum, soil microorganisms, auroofaciens 2716. phenol, carbon (activated) adsorption, removal, water treatment, Arthrobacter 8000. petroleum, improgramatisms, 9141 effects on 1241.

forest products, preservation 1250,
forest products, preservation, fungi, Switzerland 1249,
fungi, Cladoporium resines, benomyl, antifungal activity 1298,
fungi, bactoria, fouling organisms, control, oil, forest products, effluents,
Grammee, books, conferences 1697,
fungi, bacteria, leather, museums, Kuwait 1024,
fungi, biological properties, characterization 1021,
fungi, biological properties, characterization 1021,
fungi, boildings materials, preservatives, polyvinyl acetate 6394.
Fusarium, pharmaceuticals, reviews 6565,
monuments, molds, chemical control 1029,
oil and gas industry equipment, sulfate-reducing bacteria 6665,
oil, association, railway tracks, stimulation, field trials, fungi, bacteria
1305. oli, association, railway traciks, silmulation, field trials, fungli, bacteria 1305.

oli, emulsions, pasteurization, antimicrobial activity, bacteria, mathematical models 1297.
paintings, molds 1027.
polyurethane, Gliociadium roseum, characterization 1034.
polyvinyl chloride, films, fungl i032.
polyvinyl chloride, films, fungl, contamination 1039.
softwoods, forest products, protection, fungl, Canada 1248.
standard reference materials, fungl, bacteria 1028.
wood carvings, fungl, anthropology 1023.
wood, coriophora puterials, Surgl, bacteria 1028.
wood, dry rof, Serpula lacrymans, Switzerland 1247.
wood, rofe, actinomycetes 1246.
wool, control, biocides, fungl 1288.
Bloelectrochemical cell,
lase, Aspergillus niger, glucose oxidase, xanthine oxidase, association, Caldariomyces tumago, chloride peroxidase, chemicals synthesis 6076.
Blogeochemiatry,
Iron, microorganisms, reviews 8208.
manganese, microorganisms, reviews 8209. 1305 7500 phenol, soil microorganisms 2141. phenois, soil microorganisms 2141. phenois, industrial effluents isolates, Acinetobacter, Fusarium flocciferum 8685. phenois, water pollution, pollution effects, aquatic microorganisms 5812. ophenyis, soil microorganisms 7836. N-(phosphonomethy)/glycine, fosamine ammonium, hexazinone, soil microorganisms 2175. N-(phosphonomethy)/glycine, nutrient sources, Pseudomonas, Alcaligenes 8684. phthalic acid, Bacillus, marine microorganisms, decarboxylation 998. phthalic acid, bacteria, reviews 7828. phthalic acid, esters, relationship, carbon dioxide, production, microorganisms 3660. phthalic acid, monobutyl ohthaliate, rightly of phthalic acid, monobutyl ohthaliate, rightly of phthalics. 3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. 

3660. iron, microorganisms, reviews 8208.
manganese, microorganisms, reviews 8209.
microorganisms, books 8493.
organic matter decomposition, microorganisms, peatlands, reviews 7254.
spinosphorus cycle, forests 5536.
silicon, microorganisms, reviews 8207.
soil microorganisms, conferences, books 2543.
sulfur, microorganisms, reviews 8210.
Biological control,
Aedes aegypti, Bacillus thuringiensis, serotypes, endotoxins, toxicity 8633. 5813 5813.
polyvinyl alcohol, alcohol oxidase, Pseudomonas 2710.
protocatechuic acid, protocatechulate dioxygenase, purification, Pleurotus ostradtus 7754.
Pseudotsuga menziesii, lignocelluloses, streams, factors affecting, microorganisms 99.
pulp mills, effluents, bacteria 1467.
pulp mills, futustrial effluents, toxicity, digestion (anaerobic), methanogenic bacteria 6669. Agrobacterium radiobacter, crown gall, Agrobacterium tumefaciens, fruit trees, reviews 33.

Agrobacterium radiobacter, crown gall, Prunus persica 334, Agrobacterium radiobacter, crown gall, Prunus persica 334, Agrobacterium radiobacter, crown gall, Prunus persica, Prunus amygdalis 335. Agrobacterium radiobacter, crown gall, Prunus persica, Prunus amygdalis 335. Agrostis segetum, granulosis virus, Pakistan 6079.

antaponism, eclomycorrhizas, soil-borne diseases, Pythium, Fagus 5513. Arthrobacter, pitch canker, Fusarium momiliforme var. subglutinans, Pinus 2918. Aschersonia aleyrodis, Dialeurodes citri 3565.

Aspergillus variecolor, Alternaria alternata leaf blotch, Hordeum vulgare 2083. Aureobasidium pullulans antagonism Alternaria solani, Lycopersicon esculentum 2080. Aedes aegypti, Bacillus thuringiensis, serotypes, endotoxins, toxicity 8635. Agrobacterium radiobacter, crown gall, Agrobacterium tumefaciens, fruit trees, pacteria 5699.

putrescine, cadaverine, sea water, media (culture), marine bacteria 3676. 
quaternary alkylammonium compounds, industrial wastes, Pseudomonas 1017. 
quinoline, nitrogen sources, kinetics, Pseudomonas aeruginosa 6951. 
sewage siudge, bacteria, digestion (anaerobic), measuring techniques 4438. 
soft rot, Phalochora hoffmannii, wood, cinemicrography 1245. 
soli microorganisms, live roots, Pinus resinosa, Acer saccharum, Quercus borealis 
8322 soil microorganisms, sludges, land disposal, oil and gas industry 4919.
soil pollution, self-purification, soil microorganisms 4633.
Stereum frustulosum, enzymes, wood, lignin 1022.
sterois, Mycobacterium aurum, biosynthesis, progesterone, 1-dehydroprogesterone
446. Azotobacter chroococcum antagonism, Rhizoctonia solani infection, Solanum tuberosum 2088. tuberosum 2088. Meloidogyne javanica 1853. Bacillus sphaericus «-endotoxin, toxicity, larvae, Culex pipiens, Anopheles stephensi 3572. Bacillus sphaericus, pathogenicity, phage typing, larvae, Culex quinquefasciatus 2663. straw, Chaetomium cellulolyticum, pretreatment, steam, ammonia, liquid culture 2696. straw, Chaetomium celiulolyticum, pretreatment, steam, ammonia, liquid culture 2696.
straw, rumen microorganisms, chemical composition association 2695.
straw, soil microorganisms, interaction, carbon, nitrogen, agricultural ecosystems 2699.
surfactarts, alcohol dehydrogenase, arylsulphatase 169.
surfactarts, guaternary ammonium compounds, freshwator microorganisms 5311.
2,4,5-T, deholionitation, methanogenic bacteria 6160.
2,4,5-T soil poliution, Pseudomonas cepacia 3679.
TCDD, Nocardiopsis, Bacilius megatenum 2713.
Tettrachaetum elegans, Alnus leaves, pectinolytic enzymes activity, calcium concentration effects on 1002.
strain elegans, Alnus leaves, pectinolytic enzymes activity, calcium concentration effects on 1002.
strain elegans, alnus leaves, pectinolytic enzymes activity, calcium concentration effects on 1002.
strain elegans, alnus leaves, pectinolytic enzymes activity, calcium concentration effects on 1002.
strain elegans, alnus leaves, pectinolytic enzymes activity, calcium concentration effects on 1002.
strain elegans, alnus leaves, pectinolytic enzymes activity, calcium concentration effects on 1002.
strain elegans, alnus leaves, pectinolytic enzymes activity, calcium concentration effects on 1002.
strain elegans, alnus leaves, pectinolytic enzymes activity, calcium concentration effects on 1002.
strain elegans, alnus leaves, pectinolytic enzymes activity, calcium concentration elegans elegans elegans enzymes activity, calcium concentration elegans elegans elegans enzymes enzymes elegans el elegans elegans el elegans elegans el elegans elegans el elega Zoo.3 Bacillus sphaericus spore crystals, larvae, Culicidae 6917. Bacillus sphaericus spores, fate, ponds, larvicides, Culex tarsalis, Anopheles franciscanus 1845. Bacillus sphaericus, sporulation, relationship, toxicity, Culex pipiens, larvae 6089 Bacillus sphaericus, virulence, Simulium damnosum 5261. Bacillus subtilis antagonism, Phytophthora cactorum crown rot, seedlings, Malus pumila 7212. Bacillus subtilis, post-harvest decay, brown rot, Monilinia fructicola, fruits 80bs.

Bacillus thuringiensis &-endotoxin, toxicity, Pectinophora gossypiella, Earias insulana, Agrotis ipsilon 5247.

Bacillus thuringiensis, β-exotoxin, Leptinotarsa decemlineata 125.

Bacillus thuringiensis, Bacillus sphaericus, spores powder, Culex quinquefasciatus 6918.

Bacillus thuringiensis Bacillus sphaericus, toxicitu-pollution effects. quinquerasciaux os re.

Bacillus thuringiensis, Bacillus sphaericus, toxicity, pollution effects, fresh water, larvae, Culex quinqueffacciatus, Aedes aegypti 2658.

Bacillus thuringiensis, bioassays, efficacy, Culicidae larvae 6083.

Bacillus thuringiensis, Choristoneura fumiferana, endotoxins induction anorexia. 3570.

Bacillus thuringiensis, Choristoneura fumiferana, forests, Abies balsamea 7778.

Bacillus thuringiensis, Choristoneura fumiferana, USA, Wisconsin 139.

Bacillus thuringiensis, Culicoides, Leptoconops, bioassays 3573.

Bacillus thuringiensis, Dioryctria amatella 8645.

Bacillus thuringiensis, effects on predator-prey interactions, larvae, Spodoptera littoralis 8643.

Bacillus thuringiensis, endotoxins, Anopheles sundaicus 134.

Bacillus thuringiensis exotoxins, toxicity, bioassays, larvae, Hypera postica 8641. 3570 3655.
wood, iignin, cellulose, microorganisms, reviews 4436.
wood, reservoirs, sub-polar environments, aquatic microorganisms 7838.
xenobiotics, bacteria, inhibition, aquatic microorganisms 8687.
xenobiotics, bacteria, reviews 1012.
Xenobiotics, industrial wastes, bacteria 8393.
xenobiotics, Pseudomonas 4426.
Xylobolus frustulatus, Quercus rubra, Quercus alba, cellulose, lignin 3674.
Biodeterioration, Bo41: Bacillus thuringiensis, foliar applications, Choristoneura fumiferana 2652. Bacillus thuringiensis, formulations, preservatives, xyfene, sorbitol, Choristoneura fumiferana 2657. Bacillus thuringiensis, instars susceptibility, pathogens, Choristoneura fumiferana 3554. ocerentoration, Aspergillus fumigatus, feeds, domestic animais 1025. Aspergillus fumigatus, feeds, domestic animais 1025. Aspergillus niger, copper naphthenate, characterization 1038. association, water potential, forest products, fungi 1242. bacteria, fungi, pipes, air conditioning 4677. billuminous materiats, bacteria, metabolism 1304. Inimerana 3594:

Bacillus thurniglensis, larvae, Culex declarator, Simulium goeldii 136.

Bacillus thurniglensis, Mansoma uniformis 123.

Bacillus thurniglensis, padrój fields, Psorophora columbiae 5264.

Bacillus thurniglensis, patrógens exposure time effects on mortality, recovery, Choristoneur 3555.

Biological control, (continued)
Bacillus thuringiensis, pathogens, foliar applications, efficacy, persistence,
Choristoneura fumiferana 3556.
Bacillus thuringiensis, Plodia interpunctella, Ephestia cautella 4386.
Bacillus thuringiensis resistant mutant, U.V. radiation, temperature, Insecta

Bacillus thuringiensis spore crystals, surface net, morphology, toxicity, Bombyx

Bacillus trumpiensis, spores protection, sunlight inactivation 119. Bacillus thuringiensis, spores protection, sunlight inactivation 119. Bacillus thuringiensis subsp. entornocidus, endotoxins, Spodoptera littoralis

Bacillus thuringiensis subsp.berliner β-exotoxin, clays, formulations, Pulicidae 4398.

Pulicidae 4398.

Bacillus thuringiensis subsp.berliner, larvae density effects on mortality, Aedes aegypti 4398.

Bacillus thuringiensis subsp.colmeri, antigenic characteristics, pathogenicity, Insecta 6913.

Bacillus thuringiensis subsp.entomocidus, endotoxins, Spodoptera littoralis, Spodoptera exigua 3566.

Bacillus thuringiensis subsp.entomocidus, Spodoptera littoralis 3564.

Bacillus thuringiensis subsp.israelensis, composts, Lycoriella malt 6103.

Bacillus thuringiensis subsp.israelensis formulations, field trials, Culicidae 6916.

Bacillus thuringiensis subsp.israelensis, Simuliidae 137. Bacillus thuringiensis subsp.israelensis, streams, Simuliidae, USA, New Hampshire 7789

Bacillus thuringiensis subsp.israelensis, streams, Simuliidae, USA, New Hampsl 7789.

Bacillus thuringiensis subsp.kurstaki, Choristoneura furniferana, field trials, USA, Michigan 6078.

Bacillus thuringiensis subsp.kurstaki, endotoxins, Spodoptera littoralis, Spodoptera exigua 3556.

Bacillus thuringiensis subsp.tenebrionis, Coleoptera 3569.

Bacillus thuringiensis subsp.tenebrionis, Coleoptera 3569.

Bacillus thuringiensis subsp.tenebrionis, Coleoptera 3569.

Bacillus thuringiensis var.israelensis, suspended matter, turbidity, effects on efficacy, Aedes aegypti, Coleo, pipens 8642.

Bacillus thuringiensis var.kurstaki, "endotoxin, Galleria meilonella 7786.

Bacillus thuringiensis var.kurstaki, "endotoxin, Galleria meilonella 7786.

Bacillus thuringiensis var.kurstaki, "endotoxin, Galleria meilonella 7786.

Bacillus thuringiensis var. Adoxophyse orana 2642.

Baculovirus, pathogenicity, infectivity, nontarget organisms, Palaemonetes vulgaris 6821.

Basilomycetes, Trichoderma volatiles 7245.

Basulomycetes, Trichoderma volatiles 7245.

meioneiia 2000.
Beauveria bassiana, host plants effects on susceptibility, Leptinotarsa decemineata 2651.
Beauveria bassiana, inoculum survival, soll, pupae, Leptinotarsa decemineata

5213.
Beauveria bassiana, larvae, Indarbela quadrinotata 6081.
Beauveria bassiana, Metarhizium anisopliae, soil colonization, disease reservoirs, Curculio caryae 5263.
Beauveria bassiana, Oryzaephilus surinamensis 3574.
Beauveria bassiana, spores survival, fungicides effects on, Leptinotarsa decemlineata 2647.
blight, Cryphonectria parastitica virulence conversion, Castanea dentata isolates 6326. blight, Cryphonectria parasitica virulence conversion, Castanea dentata isolates 6327.

6327.

Castanea sativa blight, Endothia parasitica virulence conversion, double stranded RNA elimination 6328.

Catenaria anguillulae, Meloidogyne incognita, sodium azide, effects on 8253.

Catenaria anguillulae parasitism, spores, Phytophthora cinnamomi, Phytophthora parasitica, root rot, Citrus, Persea 5515.

Ceratocystis ulmi, fungi 6330.

chestnut blight, Endothia parasitica, hypovirulence, strains incompatibility, genetic analysis 368.

Chironomus salinarius, population density, lakes, Bacillus thuringiensis, efficacy 6084.

Chironomus salinarius, population density, lakes, Bacillus thuringlensis, efficacy 6084.

Colletoritchum gloeosporioides spores production, weed control, fermenters, Aeschynomene virginica 3895.

Condidobotus obscurus. Erynia neoaphidis, inoculum production, Aphididae 5231. crop protection, books 8494. crown gall, conferences 848. crown gall, fruit trees 269.

Culex pipiens, Aedes aegypti, Bacillus thuringlensis subsp.lsraelensis, Israel 267. Culex pipiens. Aedes aegypti, Bacillus thuringlensis subsp.lsraelensis, Israel Culex pipiens.

Culex pipiens, Aedes aegypti, Bacillus thuringiensis subsp.israelensis, Israel

Culicidae, Bacillus thuringiensis subsp.israelensis, field trials 1854.
Culicidae, Bacillus thuringiensis subsp.israelensis toxins, toxicity 7790.
Culicinomyces clavisporus, dose-response effects, mortality, larvae, Anopheles
hilli 2664.

Culicinomyces clavisporus infection digestive tract, ultrastructure, histopathology, larvae, Anopheles 2653. Culicinomyces clavosporus, pathogens, Culex annulirostris, field trials, Australia 126.

Australia 126.
Cyperus esculentus, Puccinia canaliculata, characterization 1848.
damping-off, Agrobacterium radiobacter, extracellular polymers, polysaccharides, seed treatments, Lycopersicon esculentum 6309.
decay fungi, Fagus sylvatica, field trials, Trichoderma viride, Bacillus 5587.
decay fungi, Fagus sylvatica, fiungi, bacteria 5589.
disease control, plant diseases 1188.
Dissoconium aciculare, hyperparastiism, powdery mildew, Erysiphe 8911.
efficacy, Bacillus thuringiensis subsp.israelensis, Simuliidae, USA, South
Carolina 4391.
Endothia parastiica, blioti. hypovinulence strains, temperature affects on control

Carolina 4391. Endothia perasitica, blight, hypovirulence strains, temperature effects on growth rate, Castanea dentata 8184. Endothia parasitica blight, virulence, gene mapping, Castanea dentata 8183. Entomophithora egr

Entomophthora planchoniana, cell culture methodology, Aphididae 5938.
Entomophthora planchoniana pathogens, orchards, Italy, Corylobium avellanae 5234.
Entomophthoraceae, field trials, pathogenicity, Aphididae 5230.
entomopoxirius, Arphia conspersa, Melanoplus sanguinipes, Locusta mi

Biological control, (continued)

Erynia aquatica pathogenicity, Aedes cantator 2665. Erynia neoaphidis, pathogens, field trials, Sitophilus avenae, Metopolophium dirhodum 5229.

dirhodum 5229. Erynia pieris, pathogenicity, Pieris rapae, host range, Insecta 6906. Eutypa armeniacae wound infection, antagonism, conidia, Fusarium lateritium, orchards, Prunus armeniaca 6307. fungi, conferences, Aphididae 5944.

tungi, conferences, Aphididae 5944.
fungi, efficacy surveys, weeds 8650.
fungi pathogens, observation methods, Globodera rostochiensis 5224.
fungi, surveys, crop fields, British Isles, Aphididae 5233.
Fusarium, interspecific relationships, Insecta, host range, reviews 5215.
Fusarium oxysporum root rof, Laccaria laccata aromatic compounds, ectomycorrhizas, Pseudotsuga menziesii 5562.
Fusarium oxysporum Lspa.apii yellows, non-pathogenic strains, Apium graveolens
6306.

6306.
Fusarium, reviews, books 7649.
Gaeumannomyces graminis var.tritici take-all, Triticum aestivum, Gaeumannomyces graminis var.graminis-Phialophora 5512.
Gliocladium virens, carriers, Rhizoctonia solani 8919.
gramulosis virus, effects on nontarget organisms, orchards, Cydia pomonella 4387.
gramulosis virus, nuclear polyhedrosis virus, virulence, Cadra figuiliella 6904.
Heamatobia irritans, Bacillus thuringlensis subsp. israelensis, larvicides 5209.
Heterobasidion annosum, fungi antagonism, inoculum production, in vitro, Picea ahias 8181.

abies 9181.

Hirsutella thompsonii var symematosa, conidia production, liquid culture, inoculum, Phylicooptruta oleivora 3363.

host-pathogen interactions, Acremonium zonatum penetration, leaves, Eichhornia crassipes 8827.

Hypochytrium catenoides, Phytophthora root rot, Glycine max 5510, inoculum production, spore crystals, nutrient requirements, Bacillus thuringiensis subsp.galieniae 7601.

Insecta, Bacillus thuringiensis, nuclear polyhedrosis virus, environmental factors 2671.

Insecta, Conferences 846.

Insecta, Fusarium, reviews 6926.

Insecta, microorganisms, reviews 6077.

Insecticides, exotoxins assays, high-performance liquid chromatography, Bacillus insecticides, exotoxins assays, high-performance liquid chromatography, Bacillus

Insecta, microorganisms, reviews 6077.
insecticides, exotoxins assays, high-performance liquid chromatography, Bacillus thuringiensis 2766
Isaria tax, Idioscopus clypealis 7767.
killer factor double-stranded RNA, Endothia parasitica, virulence, blight, Castanea dentata 863a.
Laetisaria arvalis, Pythium ultimum root rof, Bela vulgaris 323.
Lagenidum giganteum, pathogens, Culcidea, equattic environment 130.
Lagenidum giganteum pathogens, susceptibility, Chaoborus flavicans 5235.
larvae, Aedes aegypti. Culex molestus, Bacillus thuringiensis toxicity 8647.
larvae, Spodoptera littoralis, Boarmia seienaria, use, Bacillus thuringiensis

larvae, Spodoplera litoralis, Boarmia selenaria, use, Sacilius thuringiensis unituri generalis, Posteria selenaria, use, Sacilius thuringiensis leptolognia chapmanii, larvae, Aedes 8640.

Leptolognia chapmanii, larvae, Aedes 8640.

Manduce sevata, pathogenicity, Pseudomonas aeruginosa cytotoxins, reviews 5211.

Mansoma uniformis. Bacilius thuringiensis, Bacilius thuringiensis 123.

Metarhizium anisopliae isolates, pathogenicity, Datraea saccharalis 6908.

Metarhizium anisopliae isolates, pathogenicity, Datraea saccharalis 6908.

Metarhizium anisopliae pathogenicity, Datraea saccharalis 6908.

Metarhizium anisopliae pathogenicity, Jarvae, Aedes aegypti 8630.

Metarhizium flavoviride, Metarhizium anisopliae, temperature effects on susceptibility, Otiorhynchus sulcatus 2650.

microtology, pathology, genetics, Bacilius sphaericus, Culex, Anopheles 6898.

Micrococcus pseudoflaccidifex pathogens, larvae, Lymantria dispar 5260.

microorganisms, Insecta 8639.

Nomuraea rileyi conidia, virulence, Trichoplusia ni 6900.

Nomuraea rileyi, optocoliogy, Plathypena scabra, Anticarsia gemmatalis, Pseudoplusia includens 5214.

nuclear polybredrosis virus, granulosis virus, susceptibility, larvae, Heliothis

Nomuraea nievj. patzooloudy, rulamybena scaura, Anucarsia gerininaaiis, Pseudopliusia includens 5214. 
nuclear polyhedrosis virus, granulosis virus, susceptibility, larvae, Heliothis zea, Heliothis virescens, Heliothis armigera 9903. 
nuclear polyhedrosis virus, histopathology, pathogenesis, Mythimna spearata 7791. 
nuclear polyhedrosis virus, histopathology, pathogenesis, Mythimna spearata 7791. 
nuclear polyhedrosis virus, larvae, Neodiprion sertifer 6093. 
nuclear polyhedrosis virus, pathogens, Rachiplusia nu, Rachiplusia ou 2659. 
nuclear polyhedrosis virus, pathogens, Rachiplusia nu, Rachiplusia ou 2659. 
nuclear polyhedrosis virus, pathogens, Rachiplusia sol, Pathogens, pathogen onchocerciasis vectors, streams, Simulium ochraceum, Bacillus thuringiensis, Mexico 6915.

Mexico 6915.

paddy fields formulations, aerial applications, distribution, paddy fields, Psorophora columbiae 6902.

papaya ringspot virus infection, use, papaya ringspot virus mutants, Chenopodium quinoa 8110.

pathogenicity, Bacillus thuringiensis, Boarmia selenaria 129.

pathogenicity, Bacillus thuringiensis, Cullicidae 6085.

pathogenicity, Cabrillo pacteria+Bacillus thuringiensis var.entomocidus, Spodoptera littoralis 131.

pathogens, dose-response effects, mortality, Culicinomyces clavisporrus, Aedes aegypti 6911.

pathogens, dose-response effects, mortality, Culicis sphaericus, Culicidae 6914.

pathogens, efficacy, persistance, ponds, Bacillus sphaericus, Culicidae 6914.

pathogens, isolation, culture, Entomophthora gammae, Pseudoplusia includens 6088.

pathogens, larvae, hemolymph, Bacillus thuringiensis 6912.

pathogens, uclear polyhedrosis virus propagation, association, bacteria, fungi, Lymartiria dispar 6907.

pathogens, oviiddes, eggs susceptibility, Perileucoptera coffeella, Metarhizium

pathogens, ovicides, eggs susceptibility, Perileucoptera coffeella, Metarhizium anisopliae 6910.

anisopliae 6910. pathogens, persistance, recycling, growth, Bacillus sphaericus, Culicidae 6920. pathogens, predator-prey interactions, Bacillus sphaericus, Bacillus thuringiensis, Toxortyncties, Culicidae 1841. pathogens, production, formulation, Bacillus sphaericus, Culicidae 6897. pathogens proquetion, formulation, Bacillus sphaericus, Culicidae 6897. pathogens propagation, whey recycling methodology, Insecta, Bacillus thuringiensis, 3-toxin 6899. pathogens, snow pools, Bacillus thuringiensis, Aedes, USA, Michigan 6919. Penicillium oxalicum seed treatments, Pythium ultimum, damping-off, seed rot,

Subject Index Biological control, (continued)
Cicer arietinum 8114.
pest control, Artrobotrys irregularis, soil properties, pesticide residues effects on, Meloidogyme 5218.
pest control, Bacillus thuringiensis, Etiella behrii 2644.
pest control, Servicus, Field trials, Cydia pomonella 4388.
pest control, Polipietana carpocapsae – Bacillus thuringiensis subsp.kurstaki, Platyhtilia carduidactyla 5216.
pest control, Nomuraea rileyi, Pseudoptusia includense, virulence, temperature, dosage effects on, Anticarsia germmatalis 5212.
pest control, viruses, Insecta 1644.
pests, pathogens, nuclear polyhedrosis virus, experimental infection, mammalian cells, Mammalia 6896.
phytopathogenic fungi, Toratosperma oligociadum, hyperparasitism, Scierotinia 975.
phytopathogenic fungi, Trichoderma parasitism, ultrastructure 1213. Biomass, (continued)
aquatic bacteria, measuring techniques 8462.
Aspergillus niger, measuring techniques, use, resins effects on 1677.
Aspergillus niger, measuring techniques, use, resins effects on 1677.
bacteria, community structure, fatty acids analysis, Rhizophora sediments 8989.
bacteria, fungi, conversion, organic matter, wastes, methodology, books 6793.
Bordetella pertussis, colorimetry, methodology 9225.
concentration, effects on 9-D-galactosidase biosynthesis, Escherichia coli 6028
energy production, biotechnology, conferences, books 4248.
Escherichia coli, formation, bioreactors, mathematical models, energetics 588.
tungl, Pseudotsug menziesi forests 1232.
Gracilaria tikvahlae, methanogenesis, nitrogen recycling, bioreactors,
methanogenic bacteria 8272.
harvesting, usa filtration, edigregation, Lactobacilius acidophilus 6802.
ien deles 5280.
socillations, termentation, continuous culture, mathematical
massurpmaners cellities blodgenesis. levels, substrates, oscillations, termentation, continuous culture, mathematical models 5280.

measurements, cellulose biodegradation, fermentation, monitoring, computer applications, Sporocytophaga myxococcoides 6185.

measurements, single-cell protein production, sulfite liquor, Pekilo process, Paccilomyces varioti 5965.

measuring techniques, candida utilis 798.

measuring techniques, nitrogen-15, mass spectroscopy, lignocelluloses fermentation, Chaetomium cellulolyticum 5310.

Medicago sativa, nitrogen fixation, leghemoglobin, nodulation 2961.

methanogenic bacteria, nitrogen sources effects on, methanogenesis, digestion (anaerobic), Ulva, Gracilaria titivahiae 6396.

microorganisms, biodegradation, dissolved oxygen, organic matter, biochemical oxygen demand, ATP, waste water, rivers 1454.

organic cardis production, energy resources, digestion (anaerobic), Trichoderma resei 3417.

organic compounds production, petrochemicals, books 3372.

photosynthesis, phototrophic bacteria 8510.

production, floculation, yeasts 2552.

production, filmobilized cells, fermenters 3402.

production, microorganisms, conversion, organic matter, wastes, use, rural populations, rural environments, books 6794.

production, microorganisms, slumies, media (enrichment) 7508.

production, opitinization, respiratory quotient monitoring, continuous culture, Saccharomyces cerevisiae 8501.

production, peat hydrolysates, conferences, fungi 7645.

production, peat hydrolysates, sodium chloride, humic acids effects on, Candida tropicalis 6809.

retention, digestion (anaerobic) 4122.

Saccharomycopsis fibuliogra. 975.
phytopathogenic fungi, Trichoderma parasitism, ultrastructure 1213.
Phytophthora parasitica var piperina rot, fungi extracts, Piper betle 5518.
Phytophthora parasitica var piperina rot, fungi extracts, Piper betle 5518.
Pinus needlecast, use, Candida 2924.
plant diseases, pathogens, bacteria, fungi, plant viruses 4231,
plant diseases, soil microorganisms, Myxobacterales, lysis, Rhizoctonia solani
hyphae, Cochilobolus miyabeanus conidia 8920.
plants pathogens, books 847.
Pseudomonas fluorescens seed riteatments, Gaeumannomyces graminis var.tritici, Pseudomonas fluorescens seed treatments, Gaeumannomyces gramms valuntus take-all, Triticum aestivum 336.
Pseudomonas, Ophiostoma ulmi, Dutch elm disease 2081.
Pseudomonas puida, antagonism, Erwinia, prevention, soft rot, post-harvest decay, Solanum tuberosum 8112.
Pseudomonas puida survival, soil moisture, suppression, Fusarium oxysporum, witt, Liunu ustatiasiumum 2897.
Puccinia cardui-pycnocephali, rust, Carduus tenuiflorus, Carduus pycnocephalus 8025 Puccinia carduorum, Carduus nutans susceptibility, weed control 6073. Puccinia chondrillina, Chondrilla juncea weed control 6075. Puccinia chondrillina, life cycle, Chondrilla juncea weed control, USA, Puccinia chondrillina, Chondrilla juncea weed control 6075.
Puccinia chondrillina, ifte cycle, Chondrilla juncea weed control, USA,
Washington 6074.
Pythium oligandrum, damping-off, Beta vulgaris 8111.
Pythium oligandrum, hyperparasitism, Rhizoctonia solani 2079.
Pythium oligandrum, hyperparasitism, Rhizoctonia solani 2079.
Pythium seed rot, Pisum sativum, use, Trichoderma 2779.
Pythium user and the seed of the tropicalis 6809. (anaerobic) 4122.

refertiton, digestion (anaerobic) 4122.

Saccharomycopsis fibuligera, Candida utilis, fermentation, potatoes food processing waste water 157.

single-cell production, gram-negative bacteria, Agave fourcroydes crop soil microorganisms 1264.

soil microorganisms, composts, methodology 5684.

soil microorganisms, composts, methodology 5684.

soil microorganisms, soil respiration, nitrogen soil amendment 2931.

suspended matter, assays, carbon (activated) sewage sludges waste treatment 2379.

Vigna radiata, bean common mosaic virus, nitrogen, effects on 4511.

loreactors, production, straw fermentation 8526. suppressive soils induction, soil-borne diseases, phytopathogenic fungi, reviews 331. Bioreactors loreactors, acetic acid conversion, methanogenesis, methanogenesis, kinetics 3979. anaerobic conditions, wastewater treatment, industrial effluents, meat industry, pH, lemperature, chemical coygen demand effects on 3196 benzylpenicillin deacylation, 6-aminopenicillanic acid production, penicillin amidase activity 6531. books 1684. 331.

Suppressive soils, soil-borne diseases, plant diseases 330.

Torilis japonica, galls, leaves, Protomyces macrosporus 8029.

Trichoderma, antagonism, Cythium, soil 8115.

Trichoderma harzianum, carriers, Fihizoctonia solani 8919.

Trichoderma harzianum, Pythium aphanidermatum, plant diseases 4589.

Trichoderma harzianum, Sclerotium rolfsii, plant diseases, Helianthus annuus 4588. books 1684.
cellulase, cellulose hydrolysis, Trichoderma viride, Trichoderma longibrachiatum,
Geotrichum candidum 4355.
cellulose conversion, kinetics 5175.
cellulose hydrolysis, comparison 4441.
cellulose hydrolysis, optimization, Trichoderma reesei 3658.
chemicals kinetics 1532.
chlorobium thiosulfatophilum, carbon dioxide, nitrogen, oxidation, computer Trichoderma viride, Pythium ultimum, damping-off, Fusarium solani f.sp.pisi root rot, Pisum sativum 338. use Bacillus spheericus toxins, gene expression, gene mapping, gene transfer

use tacilius sphaencus toxins, gene expression, gene mapping, gene transfer 6828. use Coelomomycas psorophorae, host range, pathogenicity, Culicidae 4395. use nuclear polyhedrosis virus, bioassays, mortality, larvae, Heliothis armigera 967.

Verticillium biguttatum, Rhizoctonia solani, piant diseases, Solanum tuberosum 5514.

5514.
Verticilium lecanii, benomyl foliar applications, effects on, Myzus persicae, Macrosiphoniella sanborni 6091.
Verticilium lecanii, Entomophthorales, research programs, Aphididae 5232.
Viruses, Insecta, reviews 7772.
veed control, conferences, books 4249.
weed control, cost-benefit analysis 3888.
weed control, ecosystem management, epidemiology, pathogens 3894.
weed control, relationship epidemics, plant diseases 3890.
weed control, relationship genetic variance, weeds 3892.
weed control, relationship inost-pathogen interactions 3891.
weed control, relationship inost-pathogen interactions 3891.
weed control, relationship, virulence, genetic variance, phytopathogenic fungi 3893.

weed control, research programs, commercial species, microorganisms 3896. weed control, safety regulations, pathogens 3897. weed control, use Phytophthora palmivora, pathogenicity, Morrenia odorata 2809. wilt, bacterio

Zoophthora radicans, sporulation, temperature effects on, mortality, Therioaphis trifolii 1855.

Bioluminescence,
ATP, detection bacteria growth, blood culture 751.
bacteria detection, man 6767.
bioassays, bile acids measuring techniques, immobilized enzymes, alkanal
monooxygenase (FMN-linked)+dihydrolipoamide dehydrogenase+3a-hydroxysteroid
dehydrogenase 3482.

Biomass

cativated sludge, ATP measurements, wastewater treatment 6696, adsorption, uranium, thorium, Rhizopus arrhizus 3978, age distribution, mathematical models, fermentation 6129.

chemicals kinetics 1532.

chlorobium thiosurlatophilum, carbon dioxide, nitrogen, oxidation, computer applications, monitoring 3612.

coal, digestion (anaerobic), wastewater treatment 4109.

cross-flow, slicia supports, ethanol fermentation, immobilized cells, Saccharomyces cerevisiae 3605.

dentificiation, wastewater treatment, dentirifying bacteria 4107.

design, methanogenesis, digestion (anaerobic), methane quality 5700.

digestion (anaerobic), design, reviews 1458. methane production 4404.

digestion (anaerobic), termentation kinetics, methane production 4404.

digestion (anaerobic), wastewater treatment, mathematical models 558.

dynamics, computer applications 2425.

dynamics, computer applications 2425.

selectrochemistion (inaerobic), methanogenesis, wastewater treatment 5827.

electrochemistion (inaerobic), methanogenesis, wastewater treatment 5827.

electrochemistion, inaerobic, methanistical models, energetics 588.

ethanol production, termentation, optimization, mathematical models, Saccharomyces cerevisiae 6138.

sthanol production, immobilized cells, Zymomonas mobilis 3618.

ethanol production, zymomonas mobilis 3638.

ethanol production, zymomonas mobilis 5875.

fermentation, reviews, microorganisms 5875.

fermentation, reviews, microorganisms 5875.

fermentation, reviews, microorganisms 5875.

fermentation, microorganisms, kinetics 3205.

films, formation, microorganisms, kinetics 3205.

films, methanogenesis, anaerobic conditions, wastewater treatment, thermophilic bacteria 4926.

fluidized beds, immobilized enzymes, β-D-galactosidase, Aspergillus niger 82.

bacteria 4926. fluidized back, immobilized enzymes, β-D-galactosidase, Aspergillus niger 82. glucose, isomerization, fructose 854. p-glucose, isomerization, fructose 854. p-glucose, isomerization, Streptomyces phaeochromogenes, immobilized cells, comparison, glucose isomeriase, immobilized enzymes, characterization 7748 Hellanthus tuberosus fermentation, ethanol production, immobilized cells, Kluyveromyces manianus 3640. hydrogen production, isolates, Enterobacteriaceae 6923. immobilized cells, ethanol production 3634. immobilized cells, ethanol production 3634. immobilized cells, immobilized enzymes, reviews 8577.

Bioreactors, (continued)

immobilized cells, Saccharomyces, crop residues fermentation, ethanol production 3641

. 3641. immobilized enzymes, Escherichia coli, asparaginase, blood detoxification 2575. immobilized enzymes, glucose oxidase, optimization 7735. immobilized enzymes, proteinase, proteins hydrolysis, crop residues, Penicillium

immobilized enzymes, Escherichia coli, asparaginase, blood detoxification 2575. immobilized enzymes, proteinase, optimization 7735. immobilized enzymes, proteinase, optimization 7735. immobilized enzymes, proteinase, optimization, use lactose 1869. lactose fermentation, ethanol, Kluyveromyces fragilis ethanol fermentation, use lactose 1869. lactose fermentation, ethanol, Kluyveromyces fragilis 2590. matrix, surface properties, methanogenic bacteria 421. measuring techniques errors 175. membranes, immobilized enzymes, p-D-galactosidase, Aspergillus niger 83. membranes, Saccharomyces cerevisiae, ethanol, fermentation 7804. methanogenesis, fitood processing wastes, Coffea arabica 7515. membranes, Saccharomyces cerevisiae, ethanol, fermentation 7804. methanogenesis, nitrogen recycling, biomass, Gracilaria tikvahiae 8272. microorganisms, temperature kinetics 1534. mitrification, wastewater treatment 4118. peat, aerobic bacteria hydrolysis, digestion (anaerobic), methanogenesis, methanogenic bacteria 7303. production, butanol, acetone, Clostridium acetobutylicum 5244, production, butanol, acetone, Clostridium acetobutylicum 5245. production, putranoli, acetone, Clostridium acetobutylicum 5246. Production, putranoli, acetone, Clostridium acetobutylicum 5246. Production, putranoli, acetone, Clostridium acetobutylicum 5248. production, putranoli, acetone, Clostridium acetobutylicum 5248. Production, putranoli, acetone, Clostridium acetobutylicum 5249. production, mathematical models 7729. Saccharomyces cerevisiae, ATP regeneration 169. Saccharomyces cerevisiae, immobilized cells, molasses fermentation, ethanol production, mathematical models 7729. Saccharomyces cerevisiae, immobilized cells, molasses fermentation, ethanol production, mathematical models 7729. Saccharomyces cerevisiae, immobilized cells, molasses fermentation, ethanol production, molamization, production, optimization, cost-benefit analysis, fermentation, Hansenula polymorpha, Methylomonas 5963. Thichosporon cutaneum, growth conditions 802. use enzyme th

yeasts immobilized cells, ethanol fermentation, feeds contamination molasses

Blotechnology, agriculture, developing countries 318. artibiotics production, fermentation, microorganisms, plant cells, cell culture, books 5091.

biochemical characteristics, cells, books, conferences 1696. biomass, energy production, conferences, books 4248. books 1690.

books 3397 books, reviews 5093.

books, reviews 5093.
cell culture, recovery, 'richoderma reesei, filters 7635.
cellulase, characterization, Streptomyces flavogriseus 5192.
cellulose hydrolysis, cellulolytic enzymes, books 3386.
cheese production, microorganisms, dairy starters 5328.
chitin, reviews, fungi 5201.
conferences 3393.
electrochemistry, bioreactors, electron transfer 3401.
electrodes, sensors 6732.
enzymes, books 3375.
enzymes, books 3375.

electrodes, sensors 6732, encursors 6732, encu

bacteria 5228. microbiology, books 4237. microorganisms cell culture, reviews 4970. microorganisms, genetic engineering 520 models, automated methods, monitoring 5951.

models, automated methods, monitoring 5951.
patents 8508.
plant breeding, nitrogen-fixing bacteria, mycorrhizas, books 9339.
polysaccharides, industrial applications, reviews, bacteria 8622.
products purification, utrafiliration 4145.
protoplasts, conferences, books 399.
protoplasts, conferences, books 399.
protoplasts, conferences, books 399.
protoplasts, surfacences, and solvential season of the season

lotin,
+ avidin enhancement enzyme-linked immunosorbent assay, detection, herpes simplex
virus, man 4154.

bizymhesis, media (culture), Rhizopus delemar 3579.
derivatives, biosynthesis, pelargonic acid metabolism, Pseudomonas 4393.
growth factors, nutrient requirements, cell culture, reviews, yeasts 7787.
nutrient availability, intestinal microflora, oral administration, Lactobacillus
acidophilus+antibiotics, chickens 2750.

nutrient requirements, lysine production, Brevibacterium lactofermentum 6817. production, desthiobiotin conversion, Rhizopus delemar 964.

production, destinuction curversors, innequality for the blotyping, fermenters, methanogenic bacteria 7305. Frankia, relationship nodulation, Alnus glutinosa 8157. Haemophilus influenzae, Haemophilus particulariae, methodology 779. Haemophilus, methodology 770. methodology, Clostridium difficile, colitis outbreaks, hospitals, man 1641. methodology, Staphylococcus aureus 6762.

methodology. Staphylococcus aureus 6762.

Iliphenyi,
chemical pollution, biodegradation, rivers 185.

Iliphenyi,
chemical pollution, biodegradation, rivers 185.

4.4-Biphenylenedihydrazone-3-(3-methyl)-2-pyrazolin-4,5-diones,
antitungal activity, Fusarium oxysporum i.sp.lycopersici 8300.

Biphenyis,
derivatives, Phynchosia suaveolens, antibacterial activity, Bacillus subtilis,
Staphylococcus aureus 9096.

Bipolaris oryzee,
brown spot, Oryze sativa, pathogenesis 5425.

Bipolaris orotkiniam, crater disease, Triticum aestivum, soil furnigation+solar radiation effects on
8120.

Batton Paa gratensis athylene induction leaves chlorosis 8797.

leafspot, Poa pratensis, ethylene induction leaves chlorosis 8797 leafspot, Triticum aestivum, disease resistance 5492.

Beatport, Interum assivum, disease resistance 3-42.

Bipolaris victoriae, conidia, spore germination, soil fungistasis, role bacteria 8966. victorin, purification, high-pressure liquid chromatography, U.V. spectroscopy

victorin, purflication, high-pressure liquit commencinancy, commencination, part 7910.

Bla-N1,N8-(2,3-dehydroxybenzoyl)spermidine, inchelating agents, antiviral activity, inhibition, ribonucleoside-diphosphate reductase, herpes simplex virus 1, vesicular stomatitis virus 8335.

Bladethiodi(methythio)-acetylaranotin. plants growth regulators, structure, biosynthesis, Aspergillus terreus 2668.

m-Blaufflet, effects on Aspergillus flavus aflatoxins biosynthesis 7076.

Blitter principle, removal, immobilized cells, Corynebacterium fascians, nomilin conversion obacunone, fruit juices, Citrus 7773.

Blitterness,

Sitterness, compounds formation, beer fermentation, antifoam agents effects on, yeasts 3587. fruit juices, limonin levels, reduction, immobilized cells, Arthrobacter globiformis 5338.

Bituminous materials, biodeterioration, bacteria, metabolism 1304.

abundance, water quality indicator species, bacteria 8424. viruses carriage, public health risks, aquaculture 2386. BK virus,

BK virus, antibody response, immunoglobulin G, immunoglobulin M, serum levels, radioimmunoassay, methodology 9279. immunoelectron microscopy, solid phase methods, cell culture 599. Black beetle virus, plaque assay 7559. Black pod, Phytophthora, maturity effects on, Theobroma cacao 7993. Black polit, Alternaria alternata, effects on, Triticum aestivum, germination 8800. Alternaria alternata, fungicides, seed treatments, Triticale, effects on 8930. Black rot.

lack rot,

Botryosphaeria obtusa, buds, Malus sylvestris 7996.

Ceratocystis fimbriata, effects on, Ipomoea batatas, famesol dehydrogenase 7187.

Cochilobolus carbonum, races, virulence, genetic variance, recombination, Zea mays, USA, North Carolina 7962.

Cruciferae, epidemiology, etiology, Thailand 287.

Cylindrocladium crotalariae, Arachis hypogaea, crop rotation effects on disease resistance 5490.

Cylindrocladium crotalariae, fertilizer applications effects on, Arachis hypogaea

Cylindrocladium crotalariae, ierinzer applications elects oit, Arachis hypoga 8772. Cylindrocladium crotalariae, yield reduction, mathematical models, Arachis hypogaea 242. disease resistance, Arachis hypogaea 8105. virulence, Arachis hypogaea genotypes comparison, plant breeding 8084. Black shank.

Black shank.

Phytophthora parasitica var.nicotianae, epidemics, Nicotiana tabacum 3830. Black spot,

Diplocarpen rosae, disease resistance, plant breeding, Rosa 8096

Black stain, Verticicladiella wageneri, Pseudotsuga menziesii thinning association 3924.

Venticational angulary and account of the control o

Blackleg, Eminia carotovora, Solanum tuberosum tubers, disease control, heat treatments

119s.
Erwinia carotovora subsp.atroseptica, disease resistance screening projects, solanum tuberosum 5483.
Solanum tuberosum, disease resistance, Erwinia carotovora subsp.atroseptica 2025.
Solanum tuberosum, effects on, growth, yield 2026.
Solanum tuberosum, Erwinia carotovora subsp.atroseptica 2027.

Solanum tuperosum, Erwinia carrotivora suosp.airt Blackline disease, cherry leaf roll virus etiology, Juglans hindsii 4530. Blakeslea trispora, apotrisporin characterization 6064. 4-dihydrotrisporate B biosynthesis 1849. Blast, Periosularia pozzae, appressoria penetifalion, isoproi Periosularia pozzae, appressoria penetifalion, isoproi

Pyricularia oryzae, appressoria penetration, isoprothiolane inhibition, Oryza sativa 2892

Blast, (continued)

cularia oryzae, disease control, oxytetracycline, streptomycin, Oryza sativa

Pricularia oryzae, disease coincut, oxyetras/guine, sireptioniyoni, Oryza sail/a 7215.

Pyricularia oryzae, disease resistance, Inheritance, Oryza sativa 5493.

Pyricularia oryzae, disease resistance, Oryza sativa 1128.

Pyricularia oryzae, RNA, DNA, levels, leaves, Oryza sativa 7978.

Pyricularia oryzae, RNA, DNA, levels, leaves, Oryza sativa 7978.

Pyricularia oryzae, susceptibility, night temperature effects on, seedings, Oryza Sativa 7978.

Blastocladlopela, antibirities production, screening 528.

Blastocladlocrae atra, antibirities production, screening 528.

Blastocladlocrae atra oryzae, antibirities production, screening 528.

Blastocladlocrae atra oryzae, antibirities production, screening 528.

Blastocladlocrae atra oryzae, antibirities production, screening 528.

Blastomyces dermattidia activity, new records 9104.

Blastomyces dermattidide, antipens extracts, disinfection, thirnerosal, formaldehyde, clinical microbiology 810.

Blacomycin,

Bleomycin, analogs, DNA cleavage, structure-activity relationships 529.

Blight,

Ilight,
Atternaria helianthi, virulence, Helianthus annuus 8033.
Ascochyta, Cicer arietinum, books, conferences 4247.
Ascochyta, Cioer arietinum, disease control, fungicides 3883.
Ascochyta, Cioer arietinum, Ethiopia 3790.
Ascochyta, Cioer arietinum, India 3792.
Ascochyta, Cioer arietinum, India 3792.
Ascochyta, Cioer arietinum, Papia 7391.
Ascochyta, Cioer arietinum, Spain 3791.
Ascochyta pinodella disease resistance, inheritance, plant breeding, Pisum sativum 5477.
Ascochyta rabiei, Cicer arietinum, disease control, seed-borne diseases, reviews 3905.

3905

Ascocryta rabiel, Cloer arietinum, gisease control, seed-borne diseases, reviews 3905.

Ascochyta rabiel, Cloer arietinum, paintsian, reviews 3789.

Ascochyta rabiel, Cloer arietinum, pathogenicity, races 3788.

Ascochyta rabiel, Cloer arietinum, serviews 3789.

Ascochyta rabiel, Cloer arietinum, screening projects 3786.

Ascochyta rabiel, Cloer arietinum susceptibility, lactors affecting 1974.

Ascochyta rabiel, disease resistance, property active arietinum 8083.

Ascochyta rabiel, disease resistance, plant breeding, Cicer arietinum 3864.

Ascochyta rabiel, disease resistance screening projects, Cloer arietinum 3865.

Ascochyta rabiel, disease resistance screening projects, Cloer arietinum 3865.

Ascochyta rabiel, disease resistance screening projects, Cloer arietinum 3865.

Ascochyta rabiel, disease resistance screening projects, Cloer arietinum 3865.

Biological control, Cryphonectria parasitica virulence conversion, Castanea dentata isolates 6326.

Castanea sativa, biological control, Endothia parasitica virulence conversion, double stranded RNA elimination 6328.

Cirus sinensis, Cirus jambhiri, roots necrosie association, Fusarium isolation 1136.

1136.
Coffea arabia, disease control, captafol, Pseudomonas syringae 4590.
effects on, growth, minerais, uptake, evapotranspiration, Citrus paradisi 5439.
Endothia parasitica, hypovirulence strains, temperature effects on growth rate, biological control, Castanea dentata 8184.
Endothia parasitica, vectors, Lehmannia marginata, Castanea 8954.
Endothia parasitica, virulence, biological control, killer factor double-stranded RNA, Castanea dentata 8638.
Endothia parasitica, virulence, gene mapping, use biological control, Castanea dentata 8183.
Elisatium posponum weeds, disease reservoirs. Glycine max 8770.

Xanthomonas campestris pv.malvacearum, disease resistance, plant breeding, Gossypium hirsutum 2832.

Gossypium hirsutum 2832.
Xanthomonas campestris pv.malvacearum, host-pathogen interactions, disease control, plant breeding, reviews, Gossypium hirsutum 3846.
Xanthomonas campestris pv.malvacearum, pathogenicity, plants 7923.
Xanthomonas campestris pv.manihotis, disease resistance, plant breeding, cultivars, Manihot esculenta 5497.
Xanthomonas campestris pv.nyrae, disease resistance, Oryza sativa 6298.
Xanthomonas campestris pv.phaseoli, Phaseolus vulgaris, symptoms, inheritance

4501

Pseudomonas syringae var.papulans, pathology, Malus pumila, Italy 7161. detoxification, Escherichia coli asparaginase, bioreactors, immobilized enzymes

enzyme-linked immunosorbent assay detection antibodies, endotoxins, gram-negative bacteria 1939

Blood, (continued)

Blood, (continued)
heparin removal, use immobilization heparin lyase, Flavobacterium 6865.
Blood culture,
acridine orange, stalning, detection, bacteria 672.
aerobic conditions, methodology comparison 1626.
anaerobic bacteria identification methodology, man 1583.
anaerobic bacteria identification methodology, man 1583.
anaerobic bacteria, endia (isolation) 2482.
analysis, bacteremia diagnosis, acridine orange use 1667.
Bacilius contamination, transmission, role, cotton use disinfection 3223.
bacteria, antibiotic sensitivity testing, Autobac test 494.
bacteria, atetection, electrical impedance measuring techniques 2484.
bacteria staining, methylene blue, acridine orange, Gram stain 703.
bacteria, yeasts, isolation, cantrifugation+lysis 1529.
comparison, liquid culture, isolation, methodology, bacteria, fungi 3260.
effects on, Bactec test, detection, bacteremia, man 2521.
Enterobacteriaceae, identification, methodology, comparison 670.
Ethopia, hospitals, clinical isolaties, bacteria, antibiotic sensitivity testing 7400

Talse-positives, BACTEC test, bacteria contamination, clinical microbiology 704. glucose addition, Streptococcus viridans 2497, growth, correlation, hypertonicity, antibiotics, Staphylococcus aureus, Enterobacteriaceae 783.

growth, correlation, hypertonicity, antibiotics, Staphylococcus aureus, Enterobacteriaceae 783.
Haemophilus influenzae, growth, hemin, NAD, effects on 791.
Histopiasma capsulatum, recovery methodology, centrifugation-lysis 814.
Isolates, antibiotic sensitivity testing methodology companson 2240.
lysis-centrifugation, election, bacteremia 755.
lysis-centrifugation, espicemia diagnosis, man 5032.
media, bactereria rotation, Bacter test 7572.
media, bactereria rotation, Bacter test 7572.
media, bactereria rotation, acatec test 7572.
media, bactereria rotation, acatec test 7572.
media, bactereria rotation, acatec test 7572.
media, collution, 750.
media (culturation, bactereria detection 1683.
microorganisms contamination, quality control 4036.
pathogens growth, comparison bacteria 3352.
positive, detection, use, acroline orange 3267.
recovery, gram-negative bacilli, Streptococcus group D, Staphylococcus aureus, Candida 584.
Salmonelia typhi, Salmonella paratyphi, sodium polyanethanol sulfonate effects or recovery 1579.
samples volume, detection, bacteremia, fungemia 702.
septicemia diagnosis, Gram stain, suboulture, acridine orange staining 3342.

samples volunia, ulcetedrar, bacterianta, lunginar 702.
septicemia diagnosis, Gram stain, subculture, acridine orange staining 3342.
Staphylococcus aureus identification, agglutination tests 1625.
Staphylococcus aureus identification methodology, thermonuclease activity detection 1655.

detection 1655.

Streptococcus antigens detection, agglutination methodology 2460.

Blood donors,
hepatitis B surface antigen, detection, radioimmunoassay 1546.
screening, cytomegalovirus antibodies, methodology comparison 2448.

Blood group O,
contrace, use Enternharter cloacae sargiyoling 3296.

antigens, use, Enterobacter cloacae serotyping 3296.

Blood transitusion, disease transmission, hepatitis B, non-A, non-B hepatitis, acquired immune deficiency syndrome, identification, radioimmunoassay, m sthodology, man 646. Blood vessels, prosthetics, penicillin binding, storage effects on antibacterial activity 2418. Blotch,

entata 13. Fusarium, weeds, disease reservoirs, Glycine max 8770.
Fusarium oxysprum, weeds, disease reservoirs, Glycine max 8770.
Fusarium oxysprum, weeds, disease reservoirs, Glycine max 8770.
Fusarium oxysprum, weeds, disease reservoirs, Glycine max 8770.
Fusarium oxysprorium turcicum, Zea mays, Egypt, Arab Rep. 2792.
Phytophthora capsici, disease resistance, Capsicum annuum 5508.
Phytophthora capsici, disease resistance, Capsicum annuum 5508.
Phytophthora drechslein, Cucumis, China, People's Rep. 7170.
Pseudomonas syringae pv, glycines, Glycine max, epidemiology 3799.
Pythium aphanidermatum, Sieases control, metalavly, reopamocarb, efosite-Al 813.
Pythium, disease control, agricultural practices, comparison, fungicides.
Phaseolus vulgaris 1210.
Phistoctonia, disease control, agricultural practices, comparison, fungicides.
Phaseolus vulgaris 1210.
Rhizoctonia, disease control, performation, perfor

Ceratoriomella, Pinus caribaea var.hondurensis wood, disease control 6331.

Blueberries,
post-harvest decay, Colletotrichum gloeosporioides, Alternaria, Botrytis, disease
control, immersion+captafol 3851.

Bluetongue virus,
antigens dectection, immmunodiffusion 4989,
antigens dectection, immmunodiffusion 3980,
antigens dectection, immmunodiffusion 3240,
genomes, double stranded RNA, analysis methodology 4148.

Boarmia selenaria,
Bacillus thurnigiensis, pathogenicity, biological control 129,
larvae, biological control, use, Bacillus thuringiensis endotoxins 118.

Body fluida,
Cryptococcus neoformans antigens detection, methodology comparison, man 253
Haemophilus influenzae type b antigens detection, methodology comparison, man 4189.

Asnthomonas campestris pv. vignicola, disease resistance, Vigna unguiculata 8891. Xanthomonas campestris pv. vignicola, incidences, Vigna unguiculata 6231. Xanthomonas campestris pv. vignicola, incidences, Vigna unguiculata 6231. Xanthomonas mahavaearum, disease resistance, genotypes, Gossyptum arborerum 8059. Bilasus leucopterus, biological control, condida pathogenicity, replication, relative humidity effects on, Beauveria bassiana 7766. Bilasus leucopterus, Cronartium flaccidum, plant breeding, disease resistance, Pinus 2870. Cronartium ribicola, Pinus monticola, disease resistance, Pinus 2870. Cronartium ribicola, Pinus monticola, disease resistance, Pinus 2870. Pitvogenes fossifrons, Pinus monticola, USA, Idaho 8182.

Bilater spot, Pitvogenes fossifrons, Pinus monticola, USA, Idaho 8182.

Bilater spot, Pitvogenes fossifrons, Pinus monticola, Wallus pumila, Italy 7161

4189.

4189.
hemocoel, Glycera dibranchiata, bactericidal activity, Serratia marcescens 451.

59. man, Haemophilus influenzae b polyribose phosphate antigens detection, aggiutnation tests 1584.

Body weight, chickens, ingestion, feeds+molds, effects on 7014.

Boll rot, Colletotrichum capsici, Gossypium hirsutum, histopathology 5453.

Bombycidae, viruses inactivators proteins 9113.

Bombyx mori, ological control, toxicity, Bacillus thuringiensis spore crystals, surface net 2660. Bombyx mori, (continued) ortoplasmic polyhedrosis virus islates, antiviral activity, poly (I:C), 2:5-oligo(A) 473.
Racherie virus detection, latex agglutination 4161.
viruses inactivators proteins, purification, characterization, electron microscopy 9113. Books, (continued) microorganisms, biogeochemistry 8493. microorganisms, biosynthesis, antibiotics, steroids, ethanol, sweeteners, polysaccharides 2541. microscopy 9113.

Bone,
tatty acids, synergism, antagonism, gentamicin, bacteriostasis 4052.
Books,
amino acids biosynthesis, gene regulation, microorganisms 3371.
aminoglycoside antibiotics, antibacterial activity 8498.
antibiotic resistance, bacteria 9337.
antibiotics 1691.
antibiotics antibacterial activity 8496. antibiotics 1691.
antibiotics antibiacterial activity 8496.
antibiotics biosynthesis, gene regulation, microorganisms 3374.
antibiotics, chromatography 6795.
antibiotics treatment, becteria infection, man 2538.
Ascochyta blight, Cloer arietinum 4247.
Aspergillus, Fusarium, Chaetomium mycotoxins, food contamination, man 6798.
bacteria, drug resistance, genetic control, conferences 3389.
bacteria, nitrogen fixation, Leguminosae, interspecific relationships 5094.
Basidiomycetes production 4455.
biological control, corp protection 8494.
biological control, corp protection 8494.
biological control, plant diseases, pathogens, bacteria, fungi, plant viruses 4231.
biological control, plant diseases, pathogens, bacteria, fungi, plant viruses 4231.
biological control, plants pathogens 844.
biological control, wead control 4249.
bioreactors, fermentation, microorganisms metabolism, immobilized enzymes 1684.
biotechnology 1690.
biotechnology, antibiotics production, fermentation, microorganisms, plant cells,
cell culture 5091. cell culture 5091.
biotechnology, biochemical characteristics, cells 1696.
biotechnology, genetic engineering, microorganisms, conferences 8500.
biotechnology, industries, cell fusion, genetic engineering, recombinants, DNA 3387.

biotechnology processes, models 3394.
biotechnology processes, models 3394.
biotechnology, reviews 5083.
cellulofylic enzymes, cellulose hydrofysis 3386.
cheese starter cultures 5095.
clinical isolates detection methodology, microorganisms 3378.
cloning vectors, yeasts transformation, viruses, transcription translation cell-free systems 842.
composting, sewage sludge 5090.
conferences, airborne microorganisms, disease transmission, plant diseases 6797.
conferences, biological control, fungl, Aphididae 5944.
conferences, biomass, single-cell protein, production, peat hydrolysates, fungl 7645. 7645.

7646.

7647.

7647.

7647.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

7648.

76 conferences, mycotoxins food contamination, mycotoxicosis association, man, animals 7647. conferences, nitrogen fixation, genetic engineering, nitrogen-fixing bacteria conferences, plant breeding, disease resistance 3396. conferences, plant viruses, fruit trees 3400. conferences, protoplasts, biotechnology 5948. conferences, single-cell protein production, fermentation, lignocelluloses, whey, nutritive value 2544. conferences, protoplasts, biotechnology 5948.
conferences, single-cell protein production, fermentation, lignocelluloses, whey, nutritive value 2544.
conferences, vaccines, genetic engineering, viruses 6800.
Corynebacterium sepedonicum, immunodiagnosis, fluorescent antibody test, plant diseases sistance plant breeding, Africa 9349.
disease resistance plant breeding, Africa 9349.
diseases, ornamental plants, trees 840.
disiafection, sewage sludge 2542.
disinfection, sewage sludge 2542.
disinfection, sewage sludge 2542.
disinfection, sterilization 1695.
energy production, biotechnology, industries, microorganisms 3373.
enzymes, publications, biotechnology, industries, microorganisms 3373.
enzymes, microorganisms, industries 839.
enzymes, preparation, purification, immobilization, stabilization 3375.
ethanol production, biotechnology, yeasts, bacteria 5943.
ethanol production, biotechnology, yeasts, bacteria 5943.
ethanol production, biotechnology, yeasts, bacteria 5943.
ethanol production, biotechnology, epudiment 3376.
termentation, immobilized cells use, yeasts, conversion, xylose, cellulose 2539.
termentation processes, methodology, equipment 3376.
todo contamination, fungl, mycotoxins 3384.
food contamination, microorganisms 3368.
food contamination, microorganisms 4246.
dod fermentation, biotechnology, microorganisms 5941.
food, microorganisms, bioassays, methodology 3336.
food processing, industrial wastes, biotechnology 4233.
Fusanium, plant diseases, mycotoxins, biodegradation, biomass, production, biological control, reviews 7648.
genetic engineering, biotechnology, microorganisms use 1694.
hepatilis viruses vaccines atandardization 4245.
immobilization, cells, characterization, microorganisms 3379.

microorganisms, biosynthesis, antibiotics, steroids, ethanol, sweeteners, polysaccharides 2541.
microorganisms, biosynthesis, antibiotics, steroids, ethanol, sweeteners, polysaccharides 2541.
microorganisms, ecosystem analysis, interspecies relatiionships, isolation, media (culture), measuring techniques, reviews 5092.
microorganisms, infection, seeds, pathology, conferences 3398.
microorganisms, infection, seeds, pathology, conferences 3398.
microorganisms, soliage, meat 1689.
microorganisms, spoliage, meat 1689.
microorganisms, use, fermentation, products biosynthesis 5096.
mutaganicity testing, environmental factors, bacteria, phages, conferences 3388.
Mycoplasma laboratories methodology, morphology, ultrastructure, cell culture,
mycormizas, incoulum production, plants response, taxonomy 843.
mycormizas, symbiosis, plants 3932.
nitrogen fixation, biochemical characteristics, genetic control, nitrogen-fixing bacteria, interaction, plants 9346.
nitrogen fixation, genetic analysis 3370.
nitrogen fixation, microorganisms, agriculture, crop fields 9345.
nitrogen-fixing bacteria, genetic engineering, plants, plant viruses 4243.
organic compounds biodegradation, reviews 8495.
organic compounds broduction, petrochemicals, biomass 3372.
organic matter, wastes, conversion, biomass, bacteria, fungi, methodology 6793.
organic matter, wastes, conversion, microorganisms, biomass, production, use, rural populations, rural environments 6794.
pesticides, pesticide applications, antimicrobial activity, toxicology, nomenciature, chemical analysis 3340.
petroleum, biodegradation, pollution effects, microorganisms 8497.
hytopathoganic fungi, plant diseases, kurfarsas 1688.
plant breeding, nitrogen-fixing bacteria, mycormizas, biotechnology 9339.
plant diseases, bacteria, diagnosis 4255.
plant diseases, seateria, diagnosis 4255.
plant diseases, seateria, diagnosis 4256. plant diseases, Fragaria 1687.

plant diseases, Fragaria 1687.

plant diseases, pathogens, check lists, phytopathogenic fungl, bacteria, plant viruses, Brunei 7640.

plant diseases, Solanum tuberosum, bacteria, fungl, viruses 3380.

plant diseases, Vicia faba 4236.

plants genomes, structure-activity relationships, nitrogen fixation, nitrogen-lixing bacteria, plant viruses, host-pathogen interactions 3391.

polysaccharides, fungl, lichens 3383.

polysaccharides, industrial applications, microorganisms 9342.

research programs, biotechnology 9338.

reviews, viruses microbial pollution, public health risks, standards, environmental monitoring, books 2537.

Rosa, plant diseases 1686.

Salmonella typhi, isolation, identification, water, methodology 3332.

soil microorganisms, biogeochemistry, metals uptake 2543.

soil microorganisms, biogeochemistry, metals uptake 2543. 1693.
swimming pools, disinfection, sodium hypochlorite 838.
symbiosis, reviews 845.
T-2 toxin, trihothecenes 5939.
trees, mycorrhizas 3381.
virulence genes, stem rust, Puccinia graminis f.sp.tritici, plant breeding,
Trificum aestivum 4239.
wastewater treatment, sewage treatment, microorganisms role 2540.
yogurt, production, microorganisms role, quality control 5097. yogurt, production, microorganisms role, quality control 5097.

Boophilus micropius,
cell lines, growth, African swine fever virus 1545.

Bordetella bronchlaeptica,
media (isolation), cephalexin containing 7596.

Bordetella pertussis,
antibiotic resistance 4710.
biomass, colorimetry, methodology 9323.
biomass production, cell culture, continuous culture, use vaccines 9223.
endotoxins, polysaccharides structure 7124.
hemagglutinins biosynthesis, media (culture) 9312.
hemagglutinins purification, vaccines production, immunogenicity 8389.
hemagglutinins, vaccines production 3176.
toxins productions 4483.
toxiolid immunogenicity, correlation purification methodology 4891.
Borescope, Borescope,
+ mini-rhizotron, observation methods, Phymatotrichum omnivorum, host-parasite interactions, Gossypium hirsutum 2926. disease control, Botryodiplodia theobromae, fruit rot, Citrus reticulata 5525. disease collittor, burycomposition and provide a complex 3283. Borrella, microscopy, use, avidin biotinylated horseradish peroxidase complex 3283. Botryodiplodia, fruit rot, pathogenicity 7162. Botryodiplodia theobromae, anidar dieback, pathology, Pyrus pyrifolia 8807. canker, dieback, pathology, Pyrus pyrifolia 8807. extracts, biological control, Phytophthora parasitica var.piperina rot, Piper extracts, biological control, Phytoprinnora parasitica var.piperina rot, Piper bette 5518.
fruit rot, Citrus reticulata, disease control 5525.
fruit rot, Dost-harvest decay, oranges, cellulase association 2049.
seed rot, Lagenaria seceraria, Cucuribita pepo 2032.

Botryosphaeria corticis, stem canker, Vaccinium corymbosum, Vaccinium ashei 5486.

Botryosphaeria dotinidea, canker, disease control, benomyl, pruning, Malus pumila, USA, Georgia 3900.
canker, Malus pumila, disease resistance 1200.
hyphae, morphology, Betula alba, water stress 4614.
stem canker, Rubus 8841.
stem canker, Rubus, USA, Ofilo 8846.
infection, Malus domestica, buds 4527.

Botryosphaeria riblis,
Eucalyptus marginala canker, pathology 370.
infection susceptibility, relationship fruits chemical composition, Malus pumila betle 5518.

## Bran, fungal flora contamination, counting methods 2052. Botryosphaeria ribis, (continued) 2799. Branches, Quercus robur, fungal flora 7218. wound infection, pruning, disease control, benomyl+captan, Prunus persica 8913. Botryospheeria vaccinii, latentinector, pruning, disease control, benomyr÷captan, Prunius persica 8913. Botryospheeria vaccinii, latent infection, Vaccinium macrocarpon, pathology, association, dew temperature 8041. Quercus robur, rungal nora /216. Brandy, fermentation, ethanol, yeasts, lactic acid bacteria 5279. Branhamella catarrhalls, antibiotic sensitivity testing 9163. drug sensitivity testing, in vitro 9087. oxidation fermentation media, acid production detection 1658. Branhamella catarrhatts testing, clinical isolates, B-lactamase, antibiotic sensitivity testing 3092. Botrytia, infection, Allium cepa, ozone effects on 8000. infection, Allium cepa, ozone effects on 8000. post-harvest decay, disease control, immersion+captafol, blueberries 3851. Botrytia alli, post-harvest decay, harvesting, drying effects on, onions 8055. rot disease resistance, plant breeding, Allium cepa 5479. Botrytia cinerae, activators, effects on volatiles production, musts fermentation, wine 3608, antifungal activity, sodium dodecytbenzane sulfonate, disease control, post-harvest decay, tomatoes 8054, autoradiography, silver bioaccumulation, conidia 8484, bunch rot, Vitis vinifera, factors affecting pathogenesis 2041. captar resistance, detoxification, glutathione 8297. decomposition, L-tartaric acid, L-malic acid, musts, organoleptic evaluation, wine 8666. Botrytis, Brassala actinophylla, leafspot, Alternaria panax 5450. learsport, Austream Prassica, Brassica, damping-off, downy mildew, disease control, seed treatments 8141, disease resistance, antifungal agents, disease control, olubroot, Plasmodiophora brassicae 8912. genotypes, pathogenicity, Plasmodiophora brassicae 1157. Ileaves infection, cytokinins secretion, pathogenesis, Alternaria brassicicola 8028. captan resistance, decuminant, general caid, musts, organoleptic evaluation, wine 8666. disease resistance, inheritance, Rubus idaeus 3869. disease resistance, inheritance, Rubus idaeus 3869. esterase activity detection, role, fermentation, wine aroma 4410. etiology, infection, Vicia faba 1970. grey mold, disease control, fungicides, Fragaria chiloensis 7214. grey mold, Phaseolus vulgaris, pathogenesis association developmental stages, environmental effects 1114. host-pathogen interactions, in vitro growth, plant cells monosaccharides 7125. infection, Allium cepa, ozone effects on 8000. infection barriers, Rubus idaeus, histology 8015. β-ionone, derivatives, retinol, antifungal activity 6491. 1,4-naphthoquinone derivatives antifungal activity 6491. 2,4-naphthoquinone derivatives antifungal activity 6491. Shoto blight, fungicides, siesaese control, Pistacia vera 2896. Botrytis fabase, chocolate spot, Vicia faba, pectinolytic enzymes, phytotoxins, effects on pathogenesis 3794. infection, Vicia faba, humidity effects on pathogenesis 5413. 8028. Leptosphaeria maculans pathogenicity 1972. Leptosphaeria maculans pathogenicity 1972. Peronospora parasitica infection, pathogenesis, epidemiology 2022. plant diseases, beet western yellows virus, Israel 4539. seeds, isolation, Xarnhomonas campestris pv.campestris, media (selective) 4199. seeds, isolation, Xanthomonas campestris pv.campestris, media (selective) 418 Brassica campestris, patch, Rhizoctonia solani, surveys, soils (calcareous) 255. plant breeding, germplasm, disease resistance 8065. seedlings, downy mildew, Peronospora parasitica, turnip mosaic virus disease resistance, genetic analysis 2855. tobacco streak virus isolation, characterization, host range 4565. Brassica caulorapa, quality, sewage sludge fertilizer applications, nitrogen cycle 2997. Brassica chinensis, ribgrass mosaic virus detection, paper enzyme immunoassay 1147. Brasaica kaber, host range. Spironlasma citri 4557. host range, Spiroplasma citri 4557. Brassica napus, cultivars, post-pathogen interactions, stem canker, Leptosphaeria maculans 8040. cultivars susceptibility, stalk rot, Phoma lingam 2814. disease resistance inheritance, Brassica oleracea, Plasmodiophora brassicae etiology, infection, Vicia faba 1970. Botrytis squamosa, infection, Allium cepa, ozone effects on 8000. Bottles, clubroot 300. inheritance Ac7 locus, association white rust, Albugo candida disease resistance beverages, spoilage, microorganisms, reviews 7872. methodology comparison, recovery, aerobic bacteria, anaerobic bacteria, clinical isolates 5038. 2854 seeds, oils extraction, proteolytic enzymes, Bacillus subtilis 3494. stalk rot, Phoma lingam, Sclerotinia scierotiorum, disease control, vinclozolin methodology completions in the control of the contr Brassica oleraces, disease resistance inheritance, Brassica napus, Plasmodiophora brassicae clubroot 300 300. Plasmodiophora brassicae clubroot, solar radiation disease control 292. root rot, Phytophthora megasperma, disease control, metalaxyl 1225. Brassica oleraceae var.botrytis, root rot, Phytophthora megasperma, USA, Oregon 5468. Brassica oleraceae var.capitata, clubroot, role, Plasmodiophora brassicae, detection, irrigation systems sediments 3820. 3820. root rot, Phytophthora megasperma, USA, Oregon 5468. Brassica pekinensis, turnip yellow mosaic virus, infection, effects on, starch, accumulation 8863. Brassica rapa, Plasmodiophora brassicae clubroot, solar radiation disease control 292. protoplasts, turnip rosette virus RNA replication 2045. composting 9237. Glycine max, bud blight, cowpea severe mosaic virus 6228 rivers, water pollution, fecal coliforms 7535. water pollution, Escherichia coli isolation 4950. Bread, 8992. bacteroids, denitrification pathway, nodules, in vitro, Glycine max 8995. bacteroids, metabolities uptake 6385. biochemical characteristics, modulation, Vigna unguicula\*a, Cajanus cajan 5664. capsules polysaccharides, attachment mechanisms, plants roots 7275. carbon dioxide effects cn nitrogenase activity, ributisebisphosphate carboxylase mediation 7280. baking, heat penetration, survival, microorganisms 6986. production, fermentation, yeasts 5332. Breast mllk, heat treatments, microorganisms contamination, nutritional status, immune status, infants, man 7038. mediation 7280. cosmids, hydrogen uptake, optimization, nitrogen fixation 8996. effects on nodulation Glycine soja, cloning DNA sequence, root hairs 6365. growth, autotrophy, hydrogenase isolation, characterization 3461. hydrogenase components, nickel 6826. inoculation, effects on seeds yield, nitrogen, genetic variance, inheritance, Glycine max 5660. inoculation, nitrogen fixation, nodulation, herbicides, fungicides seed treatments effects on, Glycine max 8999. nitrogen fixation, inhibition, nitrogen-15 translocation, leaves, seeds, Glycine max 6370. Breeding, disease resistance, Avena sativa, Erysiphe graminis f.sp.avenae powdery mildew 307. disease resistance, Hordeum vulgare, Puccinia hordei leaf rust 301. disease resistance, Lactuca sativa, Bremia lactucae downy mildew 295. disease resistance, Tulipa, Fusarium oxysporum f.sp.tulipae bulb rot 299. Brefeldin A, comparison fatty acids biosynthesis, stereochemistry, Penicillium brefedianum 8378. Bremia lactucae, nitrogen fixation, inhibition, nitrogen-15 translocation, leaves, seeds, Glycine max 6370. nodulation, Glycine max, interspecific relationships, regulation 8997. nodulation, Glycine max, interspecific relationships, regulation 8997. nodulation, Glycine max, retrogen fixation, infection, bean pod mottle virus, soybean mosaic virus, effects on 7140. nodulation, Glycine max, relationship, rhizosphere, response 4641. nodulation, infection, light inhibition, cotyledons, Glycine max 8248. nodulation, principlen fixation, chlomequat chloride, glbberellins roots levels, effects on, Glycine max 8242. nodulation, pencillin sensitivity, Glycine max roots 5655. nodules, Glycine max 6362. population levels, rhizosphere, straw soil amendment effects on, Glycine max 7500. Population levels, rhizosphere, straw soil amendment effects on, Glycine max 7500. Population levels, rhizosphere, straw soil amendment effects on, Glycine max 7500. Population levels, rhizosphere, straw soil amendment effects on, Glycine max 7500. remia lactucae, downy mildew, disease resistance breeding, Lactuca sativa 295. downy mildew, disease resistance, cultivars, Lactuca sativa 3841. downy mildew, disease resistance induction, Lactuca sativa 308. downy mildew, disease resistance inductiance, Lactuca sativa, field trials 303. downy mildew, Lactuca sativa, hypersensitive response 6304. downy mildew, Lactuca sativa, virulence, geographical distribution, Australia 3835. virulence genes, sexual reproduction, recombination, linkage, host-pathogen interactions, disease resistance genes, Lactuca sativa 2840. Brestan, antifungal activity, Macrophoma mangifera 4587. Brettanomyces naardenensis, xylose fermentation, ethanol production 5285. mizobitoxine, role, protection, Glycine max, charcoal rot, Macrophomina hizobitoxine, rofe, protection, Glycine max, charcoal rof, Macrophomina phaseolina 4509. hizosphere colonization, stimulation, seed treatments, streptomycin+erythromycin+benomyl, Glycine max 9017. rot hairs symbiosis, Lotononis bainesii, host plants, role lectins 6382. seeds inoculation, podulation, planting, Glycine max 6352. strains, inoculum, Glycine max nodulation, nitrogen fixation, seeds, protein composition 8247. symbiosis, Glycine max, nodules, α-D-galactosidase, α-D-glucosidase 6363. Apropose reministration, entanto production 5285. **Brevibacterium**, acetonitrile biodegradation, nitrilase, amidase 3665. amidase, nitrilas conversion, organic acids production, factors affecting 4271. L-lysine biosynthesis 3405. media (culture), lysine production 6769. media (culture), utrient requirements 5061. organic acids production, intitles conversion 3433. Brevibacterium ammoniagenes, IMP biosynthesis, antibiotics stimulation 115.

wibacterium ammoniagenea, (continued)
IMP piosyntheeis, antibiotics stimulation 952.
IMP production, Tween stimulation 4371.
5-inosinic acid biosynthesis 8082.
5-inosinic acid biosynthesis, antibiotics effects on 6063.
manganese, deficiency, effects on, DNA biosynthesis, precursors, nucleotides, fementation 951.
membrane permeability mutants, IMP excretion 7765.
membrane permeability mutants, IMP excretion 8509.
revibacterium divarication 8589.
revibacterium divarication 8589.
revibacterium flavum,
aspartic acid production, fementation, optimization, mathematical models 5964.
homoserine biosynthesis, threonine effects on 857.
immobilized cells, fumarate hydratase activity 75.
pysine production, esporation (cyanide insensitive), chemostats 7669.
pyruvate kinase deficient mutant, lysine production 8527.
revibacterium licenterementum,
amino acids overproduction mutants, transformation 5116.
lysine production, biotin nutrient requirements 6817.
revibacterium linens,
bacteriocinogeny 6550.
L-phenylalanine conversion, phenethyl alcohol production, cheese ripening 6993.
bacteriocinogeny 6559.
reverles,
detection, Saccharomyces diastaticus, methodology 5296.
enzymes, ethanol fermentation 161.
hygien, et scritization, disinfection 7547.
industrial effluents, idjection (aerobic), Candida 6701.
industrial effluents, idjection (aerobic), Candida 6701.
industrial effluents,

beer, wort fermentation, yeasts 984.
by-products, extracts, Saccharomyces cerevisiae 201.
conferences 1698.
conferences 1699.
culture collections, patents, microorganisms 6934.
fermentation, biotechnology, genetic engineering, conferences 3390.
fermentation, protoplast fusion, Saccharomyces carlsbergensis 2687.
genetic engineering, Saccharomyces carlsbergensis 2687.
genetic engineering, Saccharomyces carlsbergensis 2687.
levels, zinc, copper, fermentation, yeasts 6128.
yeasts, beer maturation, use, Lactobacillus casei acetolactate decarboxylase 7800.

yeasts, Deer maunusum, 7800.

Innes, 7800.

Innes, 7800.

Intes, Pseudomonas syringae pv.berberidis etiology, leafspot, leaf fall 8873.

dental caries, fluoridation, children 8431.

dental caries, fluoridation effects on epidemiology, children 7555.

forests, Fagus sylvatica, Cuercus petraea, litter fall decomposition 352.

Fusarium infection, Medicago sativa, epidemiology 1971.

Gramineae, incidence, wilt, Xanthomonas campestris pv. graminis 4521.

plant diseases, roots, plant viruses, vectors, Polymyxa betae 7190.

Pseudomonas aeruginosa antibiotic resistance, surveys 9059.

Pseudomonas aeruginosa antibiotic resistance, surveys 9059.

Pseudomonas aeruginosa antibiotic resistance, surveys 9059.

Sereenvoirs, coliforme concentrations, models analysis 2401.

Rhizoctonia solani pathogenicity, Solanum tuberosum 2021.

Serptonia cucurbitacearum, leafspot, Cucurbita pepo, new records 5452.

Hittle root dieasese,

Spiroplasma citri, cauliflower mosaic virus, turnip mosaic virus, infection effects on, Armoracia rusticana 8020.

rochothrix, eculum packaging, nitrogen packaging, luncheon meat 8715.

ochothrix, spoilage, vacuum packaging, nitrogen packaging, luncheon meat 8715. rodimoprim, antibacterial activity, Shigella flexneri, Shigella sonnei 1333.

remazil, inhibition nitrification, biodegradation, soil microorganisms 3969. 
rome mosalc virus, 
disease transmission, urediniospores, Puccinia graminis f.sp.tritici, Puccinia 
recondita f.sp.tritici, leaf rust, stem rust, Triticum aestivum 2789. 
infection, Commelina diffusa, Commelina communis, pathology, Lema sexpunctata 
vectors 284. 
infection effects on disease resistance, rust, Triticum aestivum 263. 
transmission (seed), detection, immunodiffusion, enzyme-linked immunosorbent 
assay, immunoelectrobiotting, seeds, Triticum aestivum 8787. 
triticum aestivum 2790. 
romelain.

omelain, cleavage, influenza A virus hemagglutinins isolation, density gradients centrifugation 4994. coagulants, soybean milk curd, fermentation, Penicillium caseicolum 7852.

commugation 4992.

compularits, soybean milk curd, fermentation, Penicillium caseicolum 7852.

comide,

De Bromobenzoyimeleagrin, isolation, Penicillium meleagrinum, X-ray crystallography 8375.

2-Bromoethanesulfonate, inhibition, methanogenesis, acetic acid, digestion (anaerobic) 7524. Bromophenoxim.

antibacterial activity, Streptomyces soil isolates 4737.

Bromopyruvic acid,
inhibition, [pyruvate dehydrogenase (lipoamide)]kinase active sites
activity, Escherichia coil 2623.

activity, Exertaints our zoza, 5-{2-Bromovinyl}-2-deoxyuridine, analogs antiviral activity, herpes simplex virus 1 4763, antiviral activity, Epstein-Barr virus, infection, lymphoblastoid cell lines

sensitivity relationship, herpes simplex virus 1 thyrnidine kinase phosphorylation

antiviral activity, herpes simplex virus 1 protein biosynthesis 5743.

antiviral activity, therpes simplex virus 1 protein closyrtnesis 57/43.

antiviral activity, thymidine inhibition, herpes simplex virus 1, kinetics 460.
sensitivity, comparison, immunofluorescence, monoclonal antibodies, serotyping, herpes simplex virus, methodology 655.
sensitivity, herpes simplex virus 1, herpes simplex virus 2, media (isolation), cell culture, clinical microbiology 607.

Bromus Inermis, sidage, proteolysis 1068.
Bronchoacopes, disinfection 578.
disensity of the protein of the

Brown rot, decay fungi, vanillic acid, syringic acid, metabolism, association, lignin, biodegradation 2705.

Lycopersicon esculentum roots, Pyrenochaeta lycopersici isolation, identification 7176.

Decis eleccate, carbohydrates degradation enzymes 6820. Poria placenta, carbohydrates degradation enzymes 6820.
Poria placenta, hydrogen peroxide, free radicals, biodegradation, cellulose 6173.
post-harvest decay, Monilinia fructicola, fruits, biological control, Bacillus

subtilis 8053.
wood decay, Coniophora cerebella, Poria vaporaria, Gloeophylium abietinum, Pinus 8947.

Puccinia hordei, Hordeum vulgare, pathogenesis 5424. Puccinia recondita, disease resistance, inheritance, Triticum aestivum 2836. Puccinia triticina, disease resistance, Triticum aestivum 5486.

Puccinia triticina, disease resistance, Triticum aestivum 5486.

Brown spot.

Alternaria alternata, disease resistance, inheritance, plant breeding, callus culture, Nicotiana tabacum 317.

Bipolaris oryzae, pathogenesis, Oryza sativa 5425.
Helminthosporium oryze, Oryza sativa seedlings, disease control, phytoalexins inducers 3887.

Oryza sativa seedlings, heavy metals salts effects on disease resistance, Drechslera oryzae 2077.

Scirrhia actiocia, Pinus ponderosa disease resistance, analysis methodology 3925.

Brucella, agglutination, centrifugation effects on, clinical microbiology 699.

antigens, identification, agglutination 6759.

Brucella abortus,

antibodies detection, enzyme-linked immunosorbent assay methodology, pigs serum 5063.

antigens, agglutination, Rose Bengal plate test, immunodiagnosis, brucellosis 7589.

antigens, detection, enzyme-linked immunosorbent assay 6763. vaccination, tests comparison, complement fixation, hemolysis, cattle 1582. 

Brucella ovis,

Brucalitie Ovis, antibodies, sheep, complement fixation comparison enzyme-linked immunosorbent assay, detection 4204.

Brucalionie, diagnosis, Coomb's test, tirration methodology 784, immunodiagnosis, Rose Bengal plate test, antigens, agglutination, Brucella abortus 7589.

Brugulera gymnorrhiza, bark, nitrogen-fixing bacteria, Bruguiera gymnorrhiza 2098

Brunel, plant diseases, pathogens, check lists, phytopathogenic fungl, bacteria, plant viruses, books 7640.

Bryonia dioloa,

Lycopersicon esculentum, soil moisture effects on pathogenesis, Phytophthora parasitica 5458.

Bud blight,

a severe mosaic virus, Glycine max, Brazil 6228 cowpea Bud rust, ea, pathogenesis, Chrysomyxa woroninii 5580.

Budding, measles virus, inhibition, role, trifluoperazine, chlorpromazine 471.

Buds.

Bothyosphaeria obtusa, black rot, Malus sylvestris 7996.

Malus domestica, Bothyosphaeria obtusa infection 4527.

proliferation, plant viruses infection, Scaphytopius cautus disease transmission, Glycine max, USA, Louisiana 4510.

Buergenerule spartina,

biomass, measuring techniques, glucosamines levels 6791.

Buffaloes,

carcasses, Salmonella, Staphylococcus aureus 6199.

cervical microflora, antibiotic resistance 2205.

milk, cream production, Streptococcus lactis, dairy starters, flavorings 2736.

milk, rogation, p-casein, casein, substrates, Aspergillus growth, aflatoxins biosynthesis 7078.

milk, vegord, dairy starters, Lactobacillus bulgaricus, Streptococcus

milk, yogurt, dairy starters, Lactobacillus bulgaricus, Streptococcus thermophilus 6989. toxicity, pathogenesis, feeds, Saccharomyces cerevisiae single-cell protein 1071.

phosphate, media (culture), effects on, lactic acid bacteria, Streptococcus,

Bufo, cell lines, growth, African swine fever virus 1545.

cell lines, growth, African swine lever virus 1549.

Buildings,
biodeterioration, microorganisms levels 2720.
feeds, storage, isolation, fungi pathogens 582.
insulation foams, biodegradation, decay fungi, Basidiomycetes 7243.
materials, preservatives, polyvinyl acetate, biodeterioration, fungi 6394.
water-borne diseases, epidemiology, Legionella 4933.
wood preservatives, pentachlorophenol, inhibition, decay fungi 7242.

Bulb rot.

Bulb

Botytis alili, fungicides, disease control, Allium cepa 326. Fusarium oxysporum f.sp.tulipae, disease resistance breeding, Tulipa 299. Bulgaria,

Bulgāria, powdery mildew, Erysiphe graminis, incidence, effects on, yield, Triticum asstivum 7959. soil types, biological properties, soil microorganisms role 2925. Bulking agents, tires, composting, sewage sludge, aeration 4082. Eunch rot. Vitis vinifera, factors affecting pathogenesis, Botrytis cinerea 2041.

Bunt,

ociation, loose smut, Ustilago nuda var.tritici, pathology, Neovossia indica, association, loose smut, Ushlago nuda var.tmica, i Triticum aestivum 8799. Neovossia indica, pathogenesis, Triticum aestivum 8801, Neovossia indica, Triticum aestivum, characterization 3908. Tilletia foetida, virulence, races, Triticum aestivum, Pakistan 7965. Buryavfrus, antibodies detection, hemolysis methodology 4164. antiviral activity, synergism, selenazofurin, fiazofurin, ribavirin 9117.

Burn infection, man, bacteria microflora, antibiotic sensitivity testing 3084.

man, pacterial mutotions, and participated and participat

forests fires, effects on soil microorganisms 7221.

Burns unit,
Staphylococcus aureus epidemics, environmental conditions, man 2410.

Bushy strunt,
Mycoplasma, vectors host range, Daibulus longulus 7960.

2(But-1,3-dienyi)-3-hydro-4-(penta-1,3-dienyi)-tetrahydrofuran,
biosynthesis, Chaetomium coarctatum 3532.

1,4-Butadiene,
polymers, biodegradation, Moraxella 6163.

2,3-Butanedioration, glucose nutrient concentrations, Klebsiella pneumoniae
3347.

3347.

production, fermentation, wood hydrolysates, acids pretreatment, Clostridium acetobutylicum, Klebsiella pneumoniae 5220.

production, glucose fermentation, Bacillus polymxya 7782.

production, Hemicelluloses fermentation, Bacillus polymyxa 5223.

production, Hebsiella pneumoniae, sugars utilization, hydrogen fluoride, hydrolysis, wood, Populus trenuloides 8632.

production, Iginocelluloses flytorlysis, cellulase activity, Klebsiella pneumoniae

5274.
production, pentoses conversion, Klebsiella pneumoniae 3597.
production, starch degradation, Aeromonas hydrophila 5226.
production, xylose conversion, Klebsiella oxyloca 5262.
2,3-Butanedione,
flavor compounds, biosynthesis, isoleucine-valine operon, gene regulation,
cloning, Saccharomyces cerevisiae 7797.
flavor compounds, production, dairy industry, immobilized cells, Streptococcus
lactis subsp. diacetylactis 6992.
levels, malolactic fermentation, wine, Leuconostoc oenos 2693.
Butanol.

lactus subsp.diacerylactis 6992.

Iavels, malolactic fermentation, wine, Leuconostoc oenos 2693.

Butanol,
acetone production, Clostridium acetobutylicum 142.

biosynthesis, enzymes levels, Clostridium acetobutylicum 859.
Clostridium acetobutylicum production, mathematical models 976.

fermentation, hydrogenase activity, carbon monoxide Inhibition, Clostridium acetobutylicum 864.

fermentation, inhibition levels, Clostridium acetobutylicum 962.

levels, measuring techniques, gas chromatography, fermentation, Saccharomyces cerevisiae 3581.

production, bioreactors, Clostridium acetobutylicum 5244.

production, Clostridium acetobutylicum 5237.

production, Clostridium acetobutylicum 5611.

production, cror residues fermentation, Clostridium acetobutylicum 961.

production, cror residues fermentation, Clostridium acetobutylicum 7832.

production, ror presidues fermentation, Clostridium acetobutylicum 7832.

production, rementation, continuous culture, Clostridium thermosaccharolyticum 3578.

3578.
production, fermentation, wood hydrolysates, acids pretreatment, Clostridium acetobutylicum, Klebsiella pneumoniae 5220.
production, glucose fermentation, batch outlure, Clostridium acetobutylicum 4383. production, glucose fermentation, Clostridium 5236.
production, mmobilized cells, reviews 3575.
production, pentoses conversion, bacteria 3598, production, pentoses conversion, bacteria 3598, production, petrochemicals, biomass 3372.
production, sporulation relationship, Clostridium acetobutylicum 7784, production, whey conversion, Clostridium acetobutylicum 4381, production, whey fermentation, Clostridium acetobutylicum 3546.
Butanol, Bu

production, whey termentation, Clostridium acetobutylicum 3546.

—Butanol,
production, cellulose fermentation, Clostridium 6150.

—Butanol,
production, extraction, fermentation 5258.
production, glucose fermentation, Clostridium cochlearium, Clostridium tetanomorphum 8648.

Butea monosperma, seeds oils, antimicrobial activity, phytopathogenic fungi, bacteria 4782.

Buteo monosperma, Phoma minutella infection 8017. Bu, izol,

ungicides, disease control, leaf rust, stripe rust, triticum aestivum 2904.

n-Butylamine, pretreatment, Zea mays crop residues, fermentation, Chaetomium cellulolyticum

183.

Butylated hydroxyanisole,
antibacterial activity, casein, corn oils, effects on 6450,
antimicrobial activity, antioxidants, food, reviews 8717.
effects on fungi spores, germination, growth, thermal injury 1072.
stabilization, amprotericin B, antifungal activity, Candida albicans 1406.
Butylated hydroxytoluene,
antimicrobial activity, antioxidants, food, reviews 8717.

ammicropial activity, antioxidains, tood, reviews 5777.
2,3-Butylene glycol,
production, fermentation, lactic acid bacteria 5240.
production, whey fermentation, Klebsiella pneumoniae, Enterobacter aerogenes
2643.

2643. Butyribacterium methylotrophicum, media, use, titanium(III) nitrilotriacetic acid 769. metabolism, carbon monoxide, carbon dioxide, methanol, fuels production 5312. organic acids production, conversion, methanol, carbon monoxide 3418.

Butyric acid,

Butyric acid, biosynthesis, enzymes levels, Clostridium acetobutylicum 859. production, cellulose fermentation, Clostridium acetobutylicum 5111. production, enzymes metabolism, Clostridium acetobutylicum 5113. n-Butyric acidi, production, cellulose fermentation, Clostridium 6150. Butyrivibrio fibrisolvens, growth, fermentation, chedmin, effects on 2315. Butyri-Cod, dehydrogenase, substrate specificity, kinetics, Megasphaera elsdenii 3460. Byt-products.

Substrate speciment, kinetics, Megaspinaera eisperiii 3400. <del>Py-products</del>, sulfate, sulfur production, Chlorobium thiosulfatophilium 3977. <del>Pysaochiamya nivea, homosis production sulfatophilium 3971. biomass, patulin piologynthesis, factors affecting 6207. patulin production, factors affecting 1926.</del>

C.D.,
bacteriorhodopsin pigments, purple membranes, Halobacterium halobium 4257.
chlamydodin - analogs conformation 2305
cytochrome P-450 CAM, Pseudomonas putida 1773.
ferradoxin multiple forms, Desulforbino africanus 3407.
gramicidin A, peptide synthesis 3141.
lysophospholipase isoenzymes, penicillium notatum 7685.
lysozyme, Streptomyces rutgersensis 3458.
nitrogenase, molybdenum iron proteins, cofactors, Klebsiella pneumoniae 5141.
phalicidin, thioesters cross-linking, conformation, Amanita phalicides 3755.
thermal denaturation, sutilisin inhibitors, Streptomyces 7674.
tryptophan, cysteine residues role, gene 32 protein binding DNA, phage T4 4259.
C-Type virus,
xenotropic. New Zealand black mouse cell lines, detection, use, fluorescence
assays, inforomethods 620.
CN Ratloe,
monitoring, composting, sewage sludge 5841.
soil microorganisms, biomass, soil pH calcium oxide soil amendment effects on
2998.

2998

Cabbage, fermentation, lactic acid bacteria 5330.

beans, fungi contamination, ionizing radiation antifungal activity 4568.

Cadang-cadang disease viroid,
detection, Cocos nucifera, leaves 3824.

Cadaverine, marine bacteria, biodegradation, sea water, media (culture) 3676. Cadmium(II),

activation englase, kinetics, dissociation, yeasts 3485 Cadmium,

tomum, bioaccumulation, immobilized cells, Citrobacter 5690. bioaccumulation, polysaccharides adsorption, Zoogloer ramigera 3973. +coupling factor 1 complex, reaction mechanisms, structure, thermophilic bacteria.

895. inhibition, ectomycorrhizas, roots colonization, Picea sitchensis 8168. Klebsiella aerogenes capsules polymers binding, activated sludge 6679. oxides, inhibition Phizobium leguminosarum var.trifolii nodulation, Trifolium 7294.

1/294.
pollution, bacteria biodegradation, resistance 3680.
resistance, relationship β-lactamase levels, clinical isolates,
Staphylococcus aureus 2203.
soil pollution, effects on soil microorganisms biodegradation glucose,

Sitaphylococcus aureus 2003.

Sitaphylococcus aureus 2003.

Soil poliution, effects on soil microorganisms biodegradation glucose, calorimetry 2933.

Soil pollution, self-purification, soil microorganisms 4633.

toxicity, bacteria, soil amendment 4675.

uptake, activated sludge, EDTA effects on 3192.

Cadminum chloride,

salts, anions, susceptibility, Mycobacterium avium, Mycobacterium intracellulare,

Mycobacterium scrofulaceum 3043.

Cadra figulitella,

biological control, virulence, granulosis virus, nuclear polyhedrosis virus 6904.

Caesalprina gilliesii,

powdory mildew, Leveillula taurica, incidence, USA, Arizona 8035.

Caesalprina galinesii,

powdory mildew, Leveillula taurica, incidence, USA, Arizona 8035.

Caesalprina caldi production, Klebsiella pneumoniae, Corynebacterium 5106.

Carrinins, galic sudi production, Klebsiella pneumoniae, Corynebacterium 5106.

Carrinins, calica soil production, Virus 464.

inhibition, conidia, spore germination, Pyricularia oryzae, superoxide, free radicals, role disease resistance, plant diseases 8889.

radicals, role disease resistant ver pent number 20140.

Caffeine,
inhibition, aflatoxins biosynthesis, Aspergillus parasiticus 7040.
role, aflatoxins biosynthesis inhibition, Aspergillus parasiticus 218.

Cajanus cajan,
disease resistance plant breeding 8899.
diseases, crop production, economic Importance, Asia, Africa, North America,
South America 7139.

Cajanus cajan, (continued) inoculation, Glomus fasciculatum+Rhizobium, +phosphate 2945. leaf-roll, Rhizobium 6232.

modulation, Bradyhizobium japonicum 5664.

Caladium hortulanum, leaves, mycoplasma-like organisms infection, electron microscopy 1163.

1121.

nutrient requirements, Aspergillus aflatoxins biosynthesis 7068.
release, Bacillus, antibacterial activity, sodium citrate 7376.
release, spores, sodium citrate antibacterial activity, Bacillus 7375.
transport, mitochondria, inhibition, Helminthosporium maydis, T toxin, Zea mays 7155

7155.
Treatment, apples, effects on, Penicillium expansum, post-harvest decay 3850.
Calcium entagoniats,
N°-(2-hydroxyethyl) adenosine, purification, Cordyceps, Isaria 6060.
Calcium carbonato,
fertilizer applications, effects on soil nitrifying bacteria nitrous oxide
production 7283.
Calcium chloride,
prevention, cellulase, spoilage, fungi, pickles, fermented food 8699.
Calcium hydroxide,
+methylamine, use, decontamination methodology, aflatoxins food contamination
peanuts meals 7097.
Calcium oxide,
effects on nodulation, nitrogen fixation, inoculation. Rhizobium.

effects on nodulation, nitrogen fixation, inoculation, Rhizobium, vesucular-arbuscular mycomhizas, nodulation 5628. 
pelleting, Trifolium repens, Medicago sativa, Rhizobium nodules survival association 2950. 
reduction, fecal coliforms, sewage sludge, land disposal 2375. 
soil amendment, effects on Rhizobium nodulation, Cicer arietinum, Lens esculenta 
9015.

soil amendment effects on soil microorganisms population levels, mining wastes 3971.

3971.
soil amendment, soil microorganisms, biomass, C/N ratios 2998.
soil amendment, soil pH, effects on roots colonization, vesicular-arbuscular mycorrhizas, Zea mays 5629.
Calctum peroxide.
disease control, Fusarium culmorum infection, Lolium perenne 1203.
Calctum sulfate, soil amendment, effects on Rhizobium nodulation, Cicer arietinum, Lens esculenta

9015.
sulfate conversion sulfur, mixed culture, Chlorobium limicola f.sp.thiosulfatophilum+Desulfobacter 5693.

f.sp. thiosulfatophilum+ Desulfobacter 5693.

Calcivirus,
identification, structural proteins characterization 1735.
Calcivirus,
identification, structural proteins characterization 1735.
Calciariella scidophila,
immobilized cells, enzymes, thermal stability, ultrafilitation membranes 764.
Calciarienyces fumago,
chloride peroxidase, association, Aspergillus niger, glucose oxidase, xanthine
oxidase, use, bioelectrochemical cell, chemicals synthesis 6076.
chloride peroxidase, substrates identification, dimethyl sulfoxide 904.
Calciolysin,
calcium, lanthanide binding, Thermus aquaticus 7760.
Calendula officinalis,
rosette, viruses infection 4547.
Callinactes expldus,
isolation, rotavirus, enterovirus, concentration, methodology 2431.
Califoxes.

Isolation, rotavius, enter-vince and control of the control of the

Nicotiana tapaccum, renuinaspare, Callus culture,
Coniferates, disease resistance, Phaeolus schweinitzii infection 2826.
Medicago sativa, susceptibility, Phytophthora megasperma 4507.
plant breeding, inheritance disease resistance, Pseudomonas syringae tabaci wildfire, Alternaria alternata brown spot, Nicotiana tabacum 317.

Sesbania rostrata nodules, Rhizobium infection, pathogenesis 3798. almodulin, Ca

aimodulin, adenylate cyclase activity, Neurospora crassa 7753.

arnino acid sequence, structure-activity relationships, Dictyostellium discoideum comparison cattle 5992.

multiple forms, purification, characterization, U.V. spectroscopy, Agaricus campestris, Coprinus lagopus, Saccharomyoes cerevisiae 8513.

stimulation 3'.5'-cyclic-nucleotide phosphodiesterase activity, Neurospora crassa 2883. 2583

2983.
Calocera,
wood biodegradation 1891.
Calocera viscosa,
pathogenicity, Pseudotsuga menziesii 5597.
Calomyrmex,
mandibular glands, secretions, antimicrobial activity, soil microorganisms 3069.

mandibular glands, secrements, and calculate additional secretary, methodology, heat production, Vibrio alginolyticus 3278, soil microorganisms biodogradation glucose, soil pollution effects on 2933, thermodynamics, continuous culture, fermentation, Saccharomyces cerevisiae, Escherichia coil 6080, use bioreactors, immobilized enzymes 4312.

Calcacypha Fulgens, pathogens, Picea glauca, Pinus contorta, Pseudotsuga menziesii, dissemination, Mammalia 7237.

Cameilla sinensis, red rust, Cephaleuros virescens 2019. Camembert cheese,

ripening, aroma compounds, role, surfaces microflora, interaction, Penicillium camemberti 6186.

CAMP test,

false-positives, role, streptolysin O, Streptococcus pyogenes 5906 identification, Streptococcus agalactiae 9311.

alicyclic ring, biodegradation, reviews 8277.

Camphor 5-monooxygenase,
amino acid sequence, Pseudomonas putida 6000.

Campylobacter, antibacterial activity, ciprofloxacin 4744. antibacterial activity, ciprofloxacin, comparison, norfloxacin, nalidixic acid

6465.
artibiotic RU 28965, antibacterial activity 4878.
clinical isolates, isolation methodology 4216.
disease spread, poultry, surfaces, kitchens 8429.
feces isolation, use, gases generator tablets 3318.
gas chromatography, detection, hippuric acid, fumanic acid, conversion, succinic
acid, methodology 794.
isolation, Lauss feces, media (isolation) 4205.

isolation, Larus feces, media (isolation) 4205.
media (selective), oxidase bacteria growth 1654.
niridazole antibacterial activity 4750.
thermophilic bacteria, media (enrichment), isolation, water 6754.
Vibrio cholerae like toxins, genes probes 5389.
Campylobacter coli,
antibiotic sensitivity testing, 5755.
antibiotic sensitivity testing, comparison, Campylobacter jejuni 9167.
lipopolysaccharides structure 6053.
toxins, characterization 3761.
Campylobacter fetus,
media (culture), agar, photooxidation 4210.
media (isolation) 4201.
toxins, characterization 3761.

media (isolation) 4201.
toxins, characterization 3761.

Campylobacter fetus subsp.tetus,
menaquinone-6 methylation derivatives, detection, new records 980.

Campylobacter fetus subsp.jejuni,
antibacterial activity, metronidazole, comparison, niridazole 3124.
enteritis, antibodies detection, enzyme immunoassay methodology, man 782.
enteritis diagnosis, smears methodology 3297.
enteritis diagnosis, smears methodology 3297.

enteritis diagnosis, smears methodology 3297.
erythromycin antibiotic resistance 446.
food contamination, poultry 1058
gastrointestinal tract detection, swabs comparison feces 736.
hydrogenase activity, assays 3327.
isolation, enumeration, media (enrichment), poultry 2462.
isolation, enan feces, role, incubation temperature 1648.
isolation methodology comparison, atmospheric conditions, temperature 1650.
lipopolysaccharides, carbohydrate composition, endotoxins, toxicity testing, mice
1945.
media (enrichment) isolation 2517.

ipoponysaconarides, carbohydrate composition, endotoxins, toxicity testing, mice 1945.

media (enrichment), isolation 2517.
media (solation), methodology 3305.
media (selective) 2473.
media (selective) 2473.
media (selective), use, trimethoprim, isolation 1589.
media (transport) comparison, feces, man 3309.
menaquinone-6 methylation derivatives, detection, new records 980.
recovery, filters analysis, water-borne diseases 563.
serotyping, fluorescent antibody test, comparison, passive hemagglutination 3293.
serotyping methodology 762.
serotyping methodology, agglutination 725.
Campylobacter jejuni,
animal isolates, antibiotic sensitivity testing, laboratory animals, dogs 9180.
antibiotic sensitivity testing, comparison, Campylobacter coli 9167.
clinical isolates, enterotoxins production 7113.
contamination, nod 619s.
detection methodology, disurchea, man 5921.
enterotoxins purification 8749.
growth, media (selective), isolation, frozen food 8704.
hypochlorous acid, chlorine dioxide, antibacterial activity, models, in vitro
8721.
8721.
8721.

8721. isolation, ilquids media (enrichment) 5049. isolation, media (enrichment), 100d 6958. isolation, media (enrichment), 100d 6958. isolation, milk, sodium bisulfite stimulation survival 4459. ilipopolysaccharides structure 6053. media (culture), factors affecting survival 6764. media (enrichment), isolation, feces 7581. preservation media 5043. Vibrio cholerae like toxins, production 6210. aganda.

Canada.

Endogonaceae, Glornus, taxonomy, ecological distribution, geographical distribution 8166. Eutypella parasitica, canker, pathology, economic importance, Acer saccharum 8179.

8179.

Mammalia, dissemination, Caloscypha fulgens, pathogens, Picea glauca, Plnus contorta, Pseudotsuga menziesi 7237.

Pinus banksiana, ectomycorrhizas symbionts 8165.

Populus balsamifera, leafspot, etiology, Marassonina balsamiferae sp.nov.,

Populus baisamiriera, ieaispot, etiology, marssonna baisanimerae sp.nov., taxonomy 3913.

Populus canker, Erwinia etiology 2114.
rivers, microbial pollution, fecal coliforms, Aves 1502.
softwoods, forest products, protection, biodeterioration, fungi 1248.
Triffolium repens, infection, viruses, Ricketsia, Mycoplasma, pathogenesis 2778.
urban environments, drinking water, viruses analysis 4955.

Canals, Canals, Gardinary Canals, Canals, fecal coliforms, indicator species, water quality, pollution effects, waste water 4132. Cancer patients, chemotherapy agents effects on bacteria growth, Bactec test 3319.

Candida.

antibiotic sensitivity testing, drug sensitivity testing 8346. antifungal activity, amphotericin B, 5-fluorocytosine, mico dealkylation, trifluralin 1041. digestion (aerobic), industrial effluents, breweries 6701. e, miconazole 4753

Candida maltosa, (continued)
chorismate mutase, prephenate dehydratase, prephenate dehydrogenase activity, tryptophan activation 1850.
Candida norvegenesia, antifungal activity, amphotericin B, 5-fluorocytosine 4753.
Candida parapsillosis, cinical isolates,
single-cell protein, nutritive value, pigs 1917.
Candida parapsillosis,
clinical isolates,
1-(4-chlorophenoxy)-3,3-dimethyl-2-(1,2,4-triazole-1-yl)methylbutan-2-ol,
1-(4-chlorophenoxy)-1-(1-imidazoly)-3,3-dimethyl-2-butanol hydrochloride,
antifungal activity 4756.
disinfectants antifungal activity, solutions, contact lenses 5870.
proteinase secretion 2593.
U.V. radiation disinfection, kinetics models, water 568.
Candida pseudotropicalle,
3-D-galactosidase, physicochemical properties, role lactose, hydrolysis 2577,
lysis, Cytophaga, Arthrobacter, Streptomycas griseus, single-cell protein
productosidase, physicochemical properties, role lactose, hydrolysis 2577,
lysis, Cytophaga, Arthrobacter, Streptomycas griseus, single-cell protein
productosidase, physicochemical properties, role lactose, hydrolysis 2577,
lysis, Cytophaga, Arthrobacter, Streptomycas griseus, single-cell protein
productor of the production 5961.
Candida ravautil,
glucose fermentation, isocitric acid production 5961.
Candida shehatae,
xylose fermentation, ethanol production 5285.
Candida shehatae,
xylose fermentation, ethanol production 5285.
Candida tropicallis,
acyl-CoA oxidase, bloassays, fatty acids serum levels 586.
antibiotic resistance, active transport, nystatin inhibition 5716.
antifungal activity, atmorterion B, 5-fluorocytosine, miconazole 4753.
biomass, single-cell protein, production, peat hydrolysates, sodium chloride,
humic acids effects on 6809.
clinical isolates, identification, clinical microbiology 808.
enumeration, oranges jutioes frozen products 7850.
enumeration oranges Candida, (continued)
drug sensitivity testing 5735.
fatty acid composition, gas chromatography 836.
farmentation, suffixe liquor 6169.
fermentation, suffixe liquor 6169.
fermented food, retting, Bacillus, organoleptic evaluation, cassava 3698.
germ tubes delection, API test 2528.
indicator species, manne poliution, coastal waters 2399.
proteinase secretion 2593.
recovery, blood culture 584.
single-cell protein, feeding trails, nutritive value, chickens 5361.
Trichomonas vaginalis comparison, liquid culture media, isolation 8482.
use, biological control, Pinus needlecast 2324.
xylose metabolism, lignocelluloses conversion 3651. fermentation, lignocelluloses, production, ethanol 3617.

Candida albicans, amphoterion B, antifungal activity 4858. amphoterion B, oxicity 4859. amphoterion B, oxicity 4859. antibiotic synergism, amphoterion T, antifungal activity, 4859. antibiotics production, morphology association 2255. antifungal activity, 49elas metabolites 9132. antifungal activity, amphoterion B, antioxidants stabilization 1406. antifungal activity, imidazoles 3733. antifungal activity, 1400 antifungal activity, 1500 antifungal activity fermentation, lignocelluloses, production, ethanol 3617. 8336. antimicrobial activity, atranorine 4781. antimicrobial activity, urethanes derivatives 1436. cell walls, ultrastructure, antifungal activity, aculeacin A, papulacandin B 3108. antimicrobial activity, urethanes derivatives 1436.
call walls, ultrastructure, artifungal activity, aculeacin A, papulacandin B
glinical isolates, identification, clinical microbiology 808.
clinical isolates, 14-4c-thiorophenoxy)-1-(1-imidazolyl)-3,3-dimethyl-2-fuzaole-1-yl)methylbutan-2-ol,
1-(4-chiorophenoxy)-1-(1-imidazolyl)-3,3-dimethyl-2-butanol hydrochloride,
antifungal activity 7456.
dimethyl 2-methyl-3-oxosuccinic acid reduction, methyl 2-methylmalates
biosynthesis 3561.
disinfectants antifungal activity, solutions, contact lenses 5870.
drug sensitivity testing, antifungal agents 8308.
drug sensitivity testing, antifungal agents 8308.
drug sensitivity testing, nethodology 5736.
dry matter quantification, amphotencin B effects on 3113.
ergosterol biosynthesis, natifitine, antifungal activity 5734.
fungistasis, catecholamide, iron chelating agents 448.
germ tubes detection, API test 2528.
growth conditions, effects on, polyoxins, antifungal activity 4755.
growth, ketoconazole, miconazole, effects on 4754.
indicator species, poliution control, water reclamation 2394.
methyl-2-methyl-3-(2-furyl)-3-oxopropionate reduction,
methyl-2-methyl-3-(2-furyl)-3-hydroxypropionate production 4399.
miconazole artifungal activity, ergosterol effects on plasma membranes 4757.
morphology, feriticonazole effects on 5737.
Papularia sphaerosperma papulacandin B, glucans biosynthesis inhibition 1440.
plant extracts, Citrullus colocynthis, Corchorus depressus, Fagonia cretica,
Lycium barbarum, antimicrobial activity 8339.
plasma membranes, injepticily polyoxins transport, antifungal activity 458.
proteinase secretion 2593.

Candida bodinii,
clirica acid production, use, rapeseed oil, palm oil 872.
Candida beformans,
single-cell protein production, use, rapeseed oil, palm oil 872.
Candida deformans,
single-cell protein production, use, rapeseed 2018. xylose conversion, ethanol production 3657. 
D-xylose fermentation, hemicelluloses hydrolysates, ethanol production 6935. 
Candida utills, acetaldehyde production, ethanol conversion 3684, batch culture, statistical analysis, growth kinetics 800. blomass measuring techniques 799. 
continuous culture, atmospheric pressure, aeration, fermenters 5924. ethanol conversion, acetaldehyde production 4399. 
ethanol conversion, ethyl acetale production 8516. 
fermentation, pigments production, extracts, Beta vulgaris 6069. 
fermenters, growth conditions, feedback inhibition, ethanol production 3629. 
fermenters, growth conditions fregulation 1679. 
growth conditions, feodback inhibition, ethanol production 3629. 
growth Growth Conditions, piod processing industrial wastes, kneeds, cyonitization 9225, growth conditions, yield 801.

media (culture), sulfite 5935.

+ Paecilomyces variotii, fermentation, ethanol production 6930.

+ Phanerochaete chrysosporium, mixed culture, single-cell protein production, fermentation, straw, Triticum aestivum 1710.

single-cell protein production, food processing brines, fishery products 6812.

single-cell protein production, food processing brines, fishery products 6812.

single-cell protein production, food processing brines, fishery products 6812.

single-cell protein production, food processing brines, fishery products 6812.

single-cell protein production, food processing brines, fishery products 6812.

single-cell protein production, food processing brines, fishery products 6812.

sulfitte liquor fermentation, single-cell protein production, monitoring, computer applications 5986.

sulfits liquor fermentation, anaerobic conditions, effects on ethanol production 991.

andida valida.

continuous culture, ethanol, temperature, effects on, growth, association, single-cell protein, production 214.

andida valida validad. Candida Wickernamii, cellobiose, glucose, fermentation, ethanol 985.

Candidiasis, experimental infection, antifungal activity, rifamycin, mice 8364. experimental infection, guinea-pigs, antifungal activity, rifamycin, amphotericin fungi tarnic acid 3675, growth, hydrocarbons substrates, nitrogen utilization 8289, hydrolysis, chemical modification, glucans, laminaran, chrtin 6942. proteinase secretion 2593. Candida humicola, dimethylphenylarsine, identification methodology 3359. Candida humicola, dimethylphenylarsine, identification methodology 3359. Candida fugens, fermentation, animal wastes treatment, proteins production 158. B 8365 B 5000.

B 5000.

B 6000.

B 7000.

B 7 detection, counter immunoeiectrophorosa, and Canker,
Botryociplodia theobromae, pathology, Pyrus pyrifolia 8807.
Botryosphaeria dothidea, disease control, benomyl, pruning, Malus pumila, USA,
Georgia 3900.
Botryosphaeria dothidea, Malus pumila, disease resistance 1200.
Corynebacterium michiganense subsp.michiganense, disease reservoirs, soil-born
diseases, crop residues, Lycopersicon esculentum 8872.
Corynebacterium rathayi infection, toxins production, pasture, Lollum perenne
6215.
Endothia parasitica, pathogenesis, Castanea dentata, Castanea mollissima 3914. Candida krusei, Candida krusel, proteinase secretion 2593.

Candida lipolytica, metabolism, solubilization, methanol, ethanol, sorbitol oleate 1307. 
n-alkanes, metabolism, solubilization, methanol, ethanol, sorbitol oleate 1307. 
antifungal activity, essential olis, spices 8318. 
citric acid production, carbon sources, whey, Phoenix dactylerifera seeds 873. 
ermulsification, ribric acid production 5962. 
single-cell protein, nutritive value, pigs 1917. 
single-cell protein, nutritive value, pigs 1917. 
Candida lusitaniae, 
antifungal activity, amphotericin 8, 5-fluorocytosine, miconazole 4753. 
clinical isolates, identification, clinical microbiology 808. 
Candida maltosa. 6215. Endothia parasitica, pathogenesis, Castanea dentata, Castanea mollissima 3914. Eucalyptus marginata, etiology, pathology 370. Eucalyptus marginata, etiology, pathology 370. Eutypella parasitica, ascotiation, defects, forest products, Acer saccharum 8180. Eutypella parasitica, pathology, economic importance, Acer saccharum, Canada 8179. Gleditisia tancanthos var.inermis, Nectria cinnabarina, susceptibility, benomyl, disease control 3915. Juglans cinerea, airborne microorganisms, survival, Sirococcus

Candida maltosa, aromatic-L-amino acid aminotransferase, characterization 8582.

enker, (continued)

anker, (continued)

(caviginemti-juplandacearum conidia 1138.

phytopathogenic fungi, Rubus, USA, Ohio 8846.

Pinus sylvestris, association nutrient dynamics 5601.

Populus, Erwinia etiology, Canada 2114.

Pinuns, Pseudomonas syringae pv. syringae, South Africa 274.

Pseudomonas, Actinidia chinensis, pathogenesis, USA, California 275.

Pseudomonas morsprunorum, Prunus avium 5438.

Pseudomonas syringae pv. morspunorum, disease control, copper sulfate, fatty acids copper safts, Prunus Cerasus 344.

Pseudomonas syringae pv. syringae, virulence, Prunus persica, Malus, Pyrus 8810.

Seiridum cardinale, disease resistance, plant breeding, Cypressus sempervirens

Sirococcus davigionenti-juglandacearum, Juglans cinerea, nathogenicity, disease.

Sitrococcus clavigignenti-juglandacearum, Juglans cinerea, pathogenicity, disease spread, plantations 7991.

Valisa mail, disease control, antibiotics+copper sulfate, Malus 8139.

Bacillus stearothermophilus, spore germination, heat resistance, sodium citrate antibacterial activity 7376.

Bacon, furnaric acid esters, inhibition Clostridium botulinum, toxins formation happen.

7034.

bacon, Staphylococcus aureus growth, enterotoxin A formation, water activity, temperature, oxygen 6979.

beans, spollage, gas production, Bacillus stearothermophilus 6988. comed beef, Staphylococcus aureus contamination, growth 6180. flame sterilization, temperature monitoring 7022.

spoilage, gases composition, measuring techniques 6178. vegetables, toxins, Clostridium botulinum 3719.

sterilizers, steam, heat transfer 7036. tomatoes, sterilization, Bacillus licheniformis spores 7033.

sternizers, steam, neat transier 1/050.

Inmatoes, steamizers, steam, neat transier 1/050.

Inmatoes, sternization, Baillus licheniformis spores 7033.

anoples,

Phaseoius vulgaris, effects on disease control, white mold, Sclerotinia solerotiorum 7830.

aprocytophaga gingivalla,

arribacterial activity, sodium fluoride 5861.

aprocytophaga sputlgena,

arribacterial activity, sodium fluoride 5861.

aprocytophaga sputlgena,

arribacterial activity, sodium fluoride 5861.

aprocytophaga sputlgena,

arribacterial activity, sodium fluoride 5861.

aprocytophaga aprutigena,

arribacterial activity, sodium fluoride 5861.

aprocytophaga aprutigena,

aprocytophaga aprutig

paleum, plant breeding, disease resistance, plant viruses 3856. tobamovirus infection, identification 8828. apaicum annuum, Alternaria solani leaf blight, Streptomyces griseus interaction 2007. Cultivars, cliasaes resistance, tobacco etch virus, potato virus Y 8070. Cultivars, plant breeding, disease resistance, tobacco etch virus 8902. Cultivars, plant breeding, disease resistance, tobacco etch virus, potato virus Y, pepper mottle virus 8909. Cultivars, plant breeding, disease resistance, tobacco etch virus, potato virus Y, pepper mottle virus 8909. disease resistance, Phytophthora capsici, disease resistance 2844. light intensity, effects on infection, Glomus macrocarpus 8975. pepper mid mottle virus infection, pepper mottle virus disease resistance, new records 4566. plant breeding, disease resistance, spot, Xanthomonas campestris 8903.

records 4566, plant breeding, disease resistance, spot, Xanthomonas campestris 8903, plant breeding, wilt, disease resistance, Pseudomonas solanacearum, root rot, Phytophthora capsici 8064. spot, Xanthomonas campestris pv.vesicatoria, chlorosis, ethylene production 4546. tobacco mosaic virus infection, characterization 2018. pagletum chacoense, spot, Xanthomonas campestris pv.vesicatoria, disease resistance 4582. pspatcum chreeding, disease resistance, wilt, Pseudomonas solanacearum, root rot, Phytophthora capsici 8094. pseld protein, antiperiic determinants, vaccines production, poliovirus 6614. expression, poliovirus 1 vaccines production, cloning vectors, Escherichia coll 6603.

6805 and-mouth disease virus, isolation, chromatofocusing, methodology 656.

notr-anor-mount diseases virus, isolateatori, cirrolinatiocusing, methodology cocupatules, antibiotic sensitivity testing, clinical isolates, Haemophillus influenzae 4812. Bacteroides fragilis, lipopolysaccharides, polysaccharides, fatty acid composition 6887. gels, polysaccharides, Rhizobium leguminosarum, Rhizobium leguminosarum var. trifolii 5199.

Haemophilus influenzae type b, polysaccharides detection, methodology comparison

3303 Ukbesiella aerogenes, polymers binding heavy metals, activated sludge 6679. polysaccharides, bacteria, use vaccines, immunogenicity, reviews, man 3184. polysaccharides, binding, lectins, Rhizobium leguminosarum var.trifolii 6368. polysaccharides, Bradyfrizobium japonicum, attachment mechanisms, plants roots 7275. polysaccharides, carbohydrate composition, antigens, Klebsiella pneumoniae 4361.

7275.
7275.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.
7276.

Captafol, (continued)
efficacy, phytopathogenic fungi incidence, Phaseolus vulgaris 2086.
+ immersion, disease control, post-harvest decay, blueberries 3851.
role, Colletotrichum gloeosporioides polygalacturonase inhibition 1224.

role, Colletomcrum guesopous mangifera 4587.
Captan,
antifungal activity, Macrophoma mangifera 4587.
deloxification, glutathione biosynthesis, resistance, Botrytis cinerea 8297.
disease control. Botryosphaeria dothidea, Botryosphaeria ribis, wound infection,
pruning, Prunus persica 8913.
disease control, fungi, seed treatments, Zea mays 2093.
disease control, Phytophthora cactorum fruit rot, Botrytis cinerea grey mold,
Fragaria chiloensis 7214.
disease control, Pythium aphanidermatum damping-off, Lycopersicon esculentur

disease control, Pythium aphanidermatum damping-off, Lycopersicon esculentum

efficacy, phytopathogenic fungi incidence, Phaseolus vulgaris 2086. + metalaxyl, seed treatments, disease control, damping-off, downy mildew, Brassica

seed treatments, seed-borne diseases, Vigna acontifolia 8143. use, disease control, scab, Malus pumila, residues 8925. Zea mays, effects on ethanol production, yeasts 3645.

Caragana arborescens, Phellinus punctatus incidence, USA, North Dakota 3838. Carbadox.

antibacterial activity, Clostridium, agar dilution test, animal isolates 3050. antibiotic sensitivity testing, Escherichia coli, animal isolates, pigs 6500.

ambiotic sensitivity testing, Escherichia coli, animal isolates, pigs 6500. Carbapenems, antibacterial activity, Staphylococcus aureus, Escherichia coli, structure-activity relationships 7461. biosynthesis pathway, mutants, Streptomyces griseus subsp. cryophilus 4837. derivatives, antibacterial activity, structure-activity relationships 4820. derivatives, inactivation, Escherichia coli, Proteus vulgaris, Citrobacter froundii, E-lactamase 4462.

precursors, production, dimethyl 3-benzyloxycarbonylaminoglutaric acid hydrolysis, stereoselectivity, enzymes, bacteria 2308. Streptomyces fulvoviridis, biosynthesis, taxonomy relationship 2302. Streptomyces, structure 2300.

Carbaryl, + Verticillium lecanii, integrated control, spore germination, inhibition, Aphididae 2654.

inhibition, Aphididae 2554.

Carbazoles,
association, oil, biodegradation, bacteria 4684.
derivatives, antimicrobial activity 1355.

Carbandazim,
disease control, Fusarium culmorum infection, Lolium perenne 1203.
drug tolerance, Mycosphaerella fijiensis 7325.
efficacy, phytopathogenic fungi incidence, Phaseolus vulgaris 2086.
resistance, Trificum aestivum+eye spot, association treatment 8129.
seed treatments, seed-borne diseases, Vigna acontriolia 8143.
treatment, effects on, fungi, spore germination, Saccharum officinale 8127.

disease control, post-harvest decay, oranges, stem rot, green mold 5470, resistance, Pseudocercosporella herpotrichoides 5721. Carbenletillin, antibacterial activity, apalcillin comparison 6527, antibiotic resistance, Serratia marcescens 447, antibiotic sensitivity testing, clavulanic acid effects on, Bacteroides fragilis or 1501.

ambibotic sensitivity testing, clavularine actual seruginosa 3079.

1184.

antibiotic sensitivity testing, Pseudomonas aeruginosa 3079.

Citrobacter freundii resistance, incidence 6416.

Clostridium perfiringens drug sensitivity testing 3085.

hydrolysis, β-lactamase, Pseudomonas aeruginosa, Proteus mirabilis 2619.

β-lactamase activity, Pseudomonas aeruginosa clinical isolates 7345.

β-lactamase hydrolysis, pH role, Bacilius cereus 4277.

+riflampicin, + gentamicin, + cotrinovazerie, antibiotic synergism, antibacterial activity, Pseudomonas mattophilia 3091.

Carbetamide,

effects on Frankia, actinorrhizas, plants infectivity 2123.

herbicides, intrification, soil 9026.

Carbofuran,

biodegradation, bacteria, pesticide pollution, soil pollution 2173. biodegradation, soil microorganisms, soil, factors affecting 6387. chemical control, Nephotettix virescens, vectors, rice tungro virus, disease

control, Oryza sativa 2072. formulations, Cicadellidae, Nephotettix virescens, vectors, rice tungro virus,

formulations, Cicadellidae, Nephotettix virescens, vectors, rice tungro virus, Cryza sativa 6295. seed treatments, +Rhizobium inoculation, nodulation, Glycine max 2990. translocation, Giberella zeae, root rot, Puccinia sorghi leaf rust effects on, Zea mays 259. Carbohydrate composition, Agrobacterium radiobacter, polysaccharides, biological control, Pythium ultimum, damping-off, Beta vulgaris 2891. Campylobacter fetus subsp.jejuni, lipopolysaccharides, endotoxins, toxicity testing, mice 1945. extracellular polymers, antitumor activity, Coriolus 3471.

extracellular polymers, antitumor activity, Coriolus 3471. extracellular polysaccharides, oligosaccharides, role roots infection, Leguminosae 2633.

Legummosae 2653.

B-P-glucan, antitumor antibiotics, structure, Grifola frondosa 5208.

hamicelluloses, bagasse hydrolysates, use, carbon sources, fermentation 8677.

lipopolysaccharides, structure, antigens, Shigelia boydii 4362.

D-manno-D-glucan, Microellobosporia grisea, structure-activity relationships, antitumor activity, solid tumors, mice 4376.

phenylalanyl-tRNA synthetase, comparison cytoplasm, mitochondria, Saccharomyces oserativities (PM).

pnenylalariyiriniva yimietase, companion popularian, medicalariyiriniva olariyilariyiriniva olariyilariyini olariyini olariyilariyini olariyilariyini olariyini olariy

Carbohydrates,
Agrobacterium tumefaciens cell surface, role, crown gall tumors induction, plants
8768.

biodegradation, humus formation, microorganisms, pathway 8965. catabolism, glucose effects on, aflatoxins biosynthesis, Aspergillus parasiticus

6723. conversion, ethanol production, reviews, microorganisms 5272. degradation enzymes, brown rot, Poria placenta 6820. fermentation, detection, methodology comparison, Haemophilus 3281.

Subject Index Carbohydrates, (continued) fermentation, solvents production, pulp mills, wood, Clostridium 5259. Glycine max, contents, nitrogen fixation relationship 2992. hydrolysis, α-amylase, ανο-1,4-α-D-glucosidase, production optmization, hydrolysis, a-amylase, exo-f.4-a-D-glucosidase, production optimization, trugi 5193. hydrolysis, fermentation criteria 3666. hydrolysis, fermentation criteria 3666. producional antibodies analysis, Streptococcus group B identification, latex agglutination, immunoprecipitation 1629. nutrient sources. Aspergilius affattoxins biosynthesis, mycelia growth 7074. production, crop residues fermentation, pretreatment 5307. soil inoculum, peat, effects on Filizobium 4642. substrates, Cellulomonas growth, enzymatic activity production 32. synthetic, cell cultura, yeasts 5928. transformation, immobilized ceals. utilization, ethanol production, Thermoanaerobacter ethanolicus 5283. Cerbomyclin A, deepoxidation, products antibacterial activity 5789.

Streptomyces halstedii subsp.deltae conversion, deltamyclin A production, structure 5786. Carbon,
Donds, chalcone, Corynebacterium equi hydrogenation 6153.
Compounds, oxidation, biodegradation, reviews 7823.
incorporation, erythromycin biosynthesis, Streptomyces erythreus 7452.
interaction, soil microorganisms, straw biodegradation, agricultural ecosystems zossy.
minoralization, association, organic matter, forests soil 8145.
minoralization, humus, soil pH 5856.
utilization, reineralization, soil microorganisms biomass, paddy fields 5632.
utilization, release, rhizosphere microorganisms, Triticum aestivum, Hordeum nument cycles, mineralization, soil microorganisms piomass, padoty fleids besiz.
utilization, release, rhizosphere microorganisms, Triticum aestivum, Hordeum
vulgare 2930. Vitis vinifera content, relationship, fermentation wine, Saccharomyces
ellipsoideus 7793.

Carbon (activated),
activated sludge, wastewater treatment, dyes, industrial effluents 6677.
adsorption-hiodegradation, water treatment 7498.
adsorption, aromatic compounds, biodegradation, wastewater treatment 1475.
adsorption, biodegradation, aromatic compounds removal, water treatment 7501.
adsorption, hiodegradation, aromatic compounds removal, water treatment 7501.
adsorption, hiodegradation, water treatment, ground water 7499.
adsorption, interaction biodegradation, water treatment 7646.
adsorption, phenol biodegradation, water treatment 7646.
adsorption, phenol biodegradation, water treatment 7640.
filters, wastewater treatment, microorganisms, organic matter decomposition 2349.
granules, bacteria colonization, drinking water treatment 553.
+ozone, biodegradation, removal, trihalomethanes, water treatment 7497.
sewage sudoge waste treatment, assays, biomass suspended matter 2379.
waste treatment, aeration, filters, microorganisms 6698.
water treatment, aeration, filters, microorganisms 6698. water freatment, assorption, regenturation, paudents, resolutions (Carbon cycle, matthematical models, soil microorganisms 3938. microorganisms, reviews 8205. soil microorganisms biomass, estimation, chloroform fumigation 8224. soil microorganisms, mathematical models 5636. soil microorganisms, soil nutrients, forests 6321. Carbon dloxide, an artiturgal activity, Puccinia poarum infection, Tussilago farfara, pathogenesis 8130. comparison, ammonium bicarbonate, use, Transgrow media, Neisseria gonornt comparison, ammonium bicarbonate, use, Transgrow media, Neisseria gonornt 613J.

comparison, ammonium bicarbonate, use, Transgrow media, Neisseria gonorrhoeae isolation 3288. exchange, Hordeum vulgare, powdery mildew incompatibility 1130. extracellular levels, effects on fermentation, Zymomonas mobilis 149. high pressure+steam, pretreatment, iignocelluloses, cellulase hydrolysis, crop residues 1748. residues 1748.

metabolism, fuels production, anaerobic bacteria 5312.

nitrogenase activity, ribulosebisphosphate carboxylase mediation, Bradyrhizobium japonicum 7280.

oxidation, bioreactors, chlorobium thiosutfatophilum, computer applications, monitoring 3612.

oxygen, reaction mechanisms, cytochrome c oxidase, kinetics, thermophilic bacteria 77655 on Streptomyces tetracycline biosynthesis, fermenters 2281, production, biodegradation assays, reviews 7822.

production, monitoring, fermentation, computer applications, Saccharomyces production, relationing, fermentation, pomputer applications, Saccharomyces production, relationship to the production, politicing, fermentation, pomputer applications, Saccharomyces

production, relationship, biodegradation, phthalic acid esters, microorganisms

3660.
production, soil microorganisms, ash pollution effects 3951,
production, soil microorganisms, fertilization effects on 2179,
production, soil microorganisms, fertilization effects on 7269,
production, soil microorganisms, volcanic ash effects on 7269,
resistance, bacteria, relationship, food 1923,
sensitivity, Peronospora hyoscyami I.sp.labacina 5522.
sensors, moritoring, fermentation 6114.
soil aeration, effects on Giornus macrocarpum symbiosis, Eupatorium odoratum,
Giuzotia abyssinica, Sorghum bioolor 3937.
uptake, methanogenic bacteria, measuring techniques 3263.
utilization, methanol production, fermenters 3558.
utilization, Phizobium lupini, association, nitrogen fixation 9022.
arbon fixetion.

utilization, Phizobium lupini, association, nitrogen fixation 9022.

Carbon fixation, excivity, Erysiphe graminis f.sp.hordei, powdery mildew, inhibition enzymes, activity, Erysiphe graminis f.sp.hordei, powdery mildew, inhibition Hordeum vulgare 5434.

Carbon monoxide, carbon sources, methanogenesis, hydrogen metabolism, Methanosarcina barkeri 3982. conversion, organic acids production, Butyribacterium methylotrophicum 3418. inhibition, hydrogenase, activity, Azospirilium brasilense 8585. inhibition, hydrogenase activity, butanol fermentation, Clostridium acetobutylicum 8646. inhibition, nitrogenase, association, ethylene, production, soil microorganisms, soil 6357. iron chelating agents, inhibition Clostridium botulinum toxins, pork, minced meat 7035.

7035.
metabolism, fuels production, anaerobic bacteria 5312.
storage conditions, prevention, post-harvest decay, grapes 8057.
Carbon monoxide dehydrogenase,
characterization, Rhodosprillum rubrum 6860.
Methanosarcina barkeri, purification, characterization 3521.
Carbon anurcea.

Carbon sources, Agaricus bisporis mycelia growth, Bacillus subtilis cell walls biodegradation

Carbon sources, (continued) 6151

amino acids, tylactone biosynthesis, Streptomyces fradiae 3162.
aromatic compounds, soil, role inoculum survival, Rhizobium leguminosarum
var.tnfolii 3961.

var.trifolii 3951. Aspergillus oryzae, exo-1,4- $\alpha$ -D-glucosidase biosynthesis 4332. bioassays, bacteria, acetylene reduction, effects on 7614. carbon monoxide, methanogenesis, hydrogen metabolism, Mothanosarcina barkeri carbon monoxide, methanogenesis, bydrogen metabolism.

3982.
cellubiose, cellulose, effects on excretion, cellulolytic enzymes, Schizophyllum commune 6874.
2-chlorobenzioic acid utilization, Pseudomonas cepacia 6954. degradation, soil microorganisms, kinetics, models 2127. effects on, growth, morphology, ethanol, production, Zymomonas mobilis 3615. effects on pectinolytic enzymes production, continuous culture, Aspergillus niger effects on polysaccharides biosynthesis, extracellular polymers, Cryptococcus laurentii 5198.

energy metabolism, activated sludge, statistical analysis 7522.

fermentation, sulfite liquor, single-cell protein production, Pichia labacensis sp.nov. 6816. fermentation, use bagasse hydrolysates, carbohydrate composition, amino acid

femmentation, use bagasse hydrolysates, carbohydrate composition, supars 867.75
Fusarium oxysporum fermentation 1860.
humfication, decomposition, biomass levels, soil microorganisms, clays 2938.
hydrocarbons, Aspergillus flavus, proteinase, a-amylase, activity,
association 2189.
hydrocarbons, fermentation, single-cell protein production, reviews 8288.
hydrocarbons, nutrient requirements, L-lysine production, Arthrobacter
globiforms 4265.

giouni/mis 4cos.

[ignocelluloses, agricultural wastes, endo-1,3-β-D-glucanase production, Streptomyces 3470.

Streptomyces 3470.

Liysine production, Spacelotheca reiliana, Tolyposporium ehrenbergii 1850.

Liysine production, Corynebacterium glutamicum 868.

media (culture), effects on autolysis, dairy starters, Streptococcus group N

2733.
metabolism, tin antifungal activity, Cunninghamella echinulata, Fusarium

metabolism, tin antifungal activity, Cunninghamelia echinulata, Fusarium oxysporum 1341.
methanol, Hyphomicrobium growth, waste water denitrification 1492.
methanol, single-cell protein production, microorganisms 1922.
mixed culture, Bacillus circulans-Phaffia rhodozyma, lytic enzymes activity relationship astaxanthin extraction 1743.
molasses, ethanol fermentation, biomass production, Saccharomyces cerevisiae 3607.

nonasets, etrianor remieriation, ptomass production, Saccharomydes cerevi 3607. 
nutrient availability, proteinase production, Pseudomonas fluorescens 7749. 
nutrient flow, vesicular-arbuscular mycorthizas mycella, roots, Acer pseudoplatanus 5555. 
nutrient requirements, lipids production, Rhodotorula glutinis 1856. 
polysaccharides biosynthesis, effects on, Cryptococcus laurentii 6054. 
regulation, Streptomyces clavuligerus biosynthesis cephams, aeration 3097. 
regulation, Streptomyces clavuligerus, cephem, production 6522. 
soil microorganisms biodegradation, heat production association 2150. 
sugar, effects on growth rate, anhydrotetracycline oxygenase, aureomycin production, Streptomyces aureofaciens 4860. 
translocation, ectomycomizas effects on, Pinus taeda 5572. 
triacy(glycerol lipase production, Fusarium solani 1805. 
Trichoderma reseal enzymes production, media (culture) 1803. 
whey, Phoenix dactylerifera seeds, Candida lipolytica 873. 
Carbon-14, 
enrichment, organic matter, biodegradation, flux, turnover, soil microorganism

enrichment, organic matter, biodegradation, flux, turnover, soil microorganisms, soil 8964

radioactive labelling, liquids scintillation, Aspergillus nidulans 5933.

Carboxin,
analogs, structure-activity relationships, antifungal activity 4015.
efficacy, phytopathogenic fungi incidence, Phaseolus vulgaris 2086.
Rhizoctonia sensitivity 8106.
3-(2-Carboxyhydrazine)-phenylimino-2-oxinobutane,
copper, nickel, chelation, antibacterial activity, Mycobacterium 4005
Carboxylase,
purification, characterization, electrophoresis, Pseudomonas fluorescens 6869.
purification, characterization, Escherichia coli 8557.
Carboxylic acid,
alicyclic ringu, biodegradation, reviews, 9277.

Carboxylic acid,
alicyclic ring, blodegradation, reviews 8277.
derivatives, antibacterial activity 4748.
derivatives, antibacterial activity 4748.
S-Carboxymethylp-D-oysteine,
biosynthesis, association cephalosporins, Pseudomonas putida 4822.
Carboxymethylcellulaes,
activity, ceilulaes samples, Aspergillus niger, Trichoderma viride 8533.
Carboxymethylcellulaes,
hydrolysis, celluloytic enzymes, Chaetomium cellulolyticum 1752.
S-C-Carboxymethylcysteinylp-L-cysteinyl-D-valine,
substrates, penicillin analogs enzymatic synthesis, Streptomyces clavuligerus
5776.

Carboxypeptidase A,
activity, aspergillomarasmine A, aspergillomarasmine B inhibition, Aspergillus oryzae 3734.

Carboxypeptidase Y, immobilized enzymes, peptide synthesis applications, yeasts 63. 3-(3"-Carboxyphenythio-semicarbazono)-2-indollnone, derivatives, synthesis, antiviral activity 7386.

Carcases, disposal, environmental hygiene, pathogens 2360, poultry, contamination, coliforms, meat industry 1051. Salmonella, Staphylococcus aureus, buffaloes 6199, utrkeys, bacteria contamination, cleaning systems, meat industry 1053.

Carcinoma, nasopharynx, immunodiagnosis, autoradiography, Epstein-Barr virus, immunodiobu A antibodies, man 4992.

Carduus nutans. weed control, susceptibility, Puccinia carduorum biological control 6073.

uus pycnocephalus, logical control, rust, Puccinia cardui-pycnocephali 8025. uus tenuifiorus, logical control, rust, Puccinia cardui-pycnocephali 8025.

x waiteriana, nocelluloses, biodegradation, microorganisms 2704.

a papaya, nyl isothiocyanate, relationship, disease resistance, Phytophthora palmivora 861.

iza papaya,

iza papaya,

izay iisothiocyanate, relationship, disease resistance, Phytophthora palmivora

izay iisothiocyanate, relationship, disease resistance, Phytophthora palmivora

izay iisothiocyanate, relationship, disease, biochemical characteristics

izasociation pathogenesis 8812.

izasociation pathogenesis 8812.

izasociation pathogenesis 8812.

ization motite virus,

stone motite virus,

stone pathogenesis 8812.

ization motite virus,

stone pathogenesis 8812.

ization motite virus,

stone pathogenesis 8812.

ization motite virus,

stone pathogenesis 881.

ization pathogenesis 881.

ization production pidemiology, hospitals, man 581.

ization pathogenesis, glucose fermentation, ethanol production, Zymomonas mobilis

solo.

ization, prosine phenol-lyase activity, Citrobacter freundii 7656.

ization, prosine phenolelized cells, proteins contents, methodology, 5931.

prosine prosine phenolelized cells, proteins contents, methodology, 1549.

izational activity, disease resistance screening projects, Phytophthora cryptogea activity, citrobacteria activity, butylated hydroxyanisole, tertiary putyliverse govide.

prungai activity, rungus gardens, plant extracts, Hymenaea courbani 2221.
In,
scts on antibacterial activity, butylated hydroxyanisole, tertiary
butylhydroquinone 6450.
frolysis, Bacillus subtilis proteinase 921.
duction, dairy starters, Streptococcus cremoris, Streptococcus diacetylactis
861.
In the proteinage extracellular enzymde. Pseudomones agricinose 1810.

duction, dairy starters, Streptococcus cremoris, Streptococcus diacetylactis 184:
nulation proteinase, extracellular enzymás, Pseudomonas aeruginosa 1810. strates, Aspergillus growth, aflatoxins biosynthesis, isolation, milk, cattle, infolytic enzymas, protein production, Bhizopus oligosporus 1714. mentalon, single-cell protein production, Rhizopus oligosporus 1714. mentalo food, organoleptic evaluation, retting, lactic acid bacteria, Corynebacterium, Bacillus 3698.

Isa ceutrolla, activition, separation of the protein production 1709. la acuttrolla, entra leafapot, new records, India 2040. la anguatifolia, entra alternata leafspot, new records, India 2040. la anguatifolia, entra alternata leafapot, new records, India 2040. la arguetticals, 33, 4,5'-tetrahydroxystilibene, antifungal activity, dictore-activity relationships, Penicillium citrinum, Rhizopus nigricans 7384. la pleurocarpa, la dictore-activity relationships, Penicillium citrinum, Rhizopus nigricans 7384. la pleurocarpa, la dictore dictore dictore dictored la pleurocarpa.

la yellow blotch virus, ation, characterization, Cassia pleurocarpa, Australia, new records 3800.

ht. Endothia parasitica, vectors, Lehmania marginata 8954.

mae dentata.

ht. biological control, use hypovirulence strains, temperature effects on rowth rate. Endothia parasitica 8184.

ht. biological control, de biological control, double-stranded RNA, life ration 8638.

ht. Endothia parasitica, virulence biological control, double-stranded RNA, life ration 8638.

https://doi.org/10.1001/j.control.endothia.parasitica.8184.

iller factor 8638.

ht, gene mapping, virulence, biological control, Endothia parasitica 8183.
phonectria parasitica isolates, virulence conversion, blight biological
ontrol 6326.
phonectria parasitica isolates, virulence conversion, blight biological
ontrol 6327.
dotta parasitica infection, incidence 4526.
hogenesis, Endothia parasitica, canker 3914.
hogenesis, Endothia parasitica, canker 3914.
hogenesis, Endothia parasitica, canker 3914.
hogenesis, Endothia, Candothia parasitica virulence conversion, double
tranded RNA elimination 6328.
dophthora disease control, root rot, crown rot 3876.

erins,

rtophthora disease control, root rot, crown rot 3876.

serina,
norrhizas, Frankia 4596.
norrhizas, histochemistry, Frankia 4604.
norrhizas, nitrogen fixation, tropical environment, reviews 2914.
ules, Frankia Isolation 4597.

serina cunninghamenia,
norrhizas inoculation, agroforestry, Frankia 8149.

lules, actinorrhizas, hemoglobins levels 4605

Casuarina equisetifolia, actinorrhizas inoculation, nodulation, agroforestry, Frankia 8149.

Catabolite repression, ethanol fermentation, corn, Saccharomyces cerevisiae 2677.

mutants selection, exo-1,4-a-D-glucosidase production, Aspergillus niger
5119.

resistance mutants, fermentation, whey lactose, continuous culture, Saccharomyces resistance mutants, rementation, whey ractose, continuous culture, Saturiario cerevisiae 8668.

resistant mutant, Trichoderma reesei, cellulase, production, screening, media (enrichment) 1797.

Thermomonospora curvata, resistant mutant, cellulase biosynthesis 1746.

Thermomonospora curvata, resistant and production for the catalase, activity, relationship, microorganisms, colonization, biodeterioration, forest products, cresoste, effects on 1243.

Aspergillus niger mycelia, immobilization 1739.

+-a-chymotrypsin, immobilization methodology 4304.
detection, identification, Neisseria gonorrhoeae 691.
detection, molds 1799.
isoanzymes. purification, characterization, Micrococcus 1793.

iscenzymes, purification, characterization, Micrococcus 1793. liver, +Aspergillus niger glucose oxidase, immobilized enzymes, glucose oxidation, cattle 2578.

Orducion, carue 2076.
production, detection spoilage, Enterobacteriaceae, luncheon meat 6967.
purification, characterization, Escherichia coli 8552.
purification, characterization, Proteus mirabilisi 1778.
roots, intercation, sulfur bacteria, ultrastructure, mizosphere, Oryza sativa

8962

oss.
thermal stability, Micrococcus 8594.

Catalaso test,
+ peroxidase, Legionella pneumophila identification 5039.

Catalysis, chemicals, production, use, immobilized enzymes, microorganisms, reviews 6031. immobilized enzymes, efficacy optimization 6553.

Catalysts, ionotropic gelation, immobilized cells 4373, hydrocarbons oxidation, methylotrophic bacteria 425. +immobilized enzymes, kinetics 5195. inactivation kinetics, immobilized enzymes 5194.

Catchment areas, bacteria, fertilization effects on, forests 2106.

Catechol dioxygenase, metals, binding, substrates 5177. Catechol oxidase,

active sites, copper complex, Neurospora crassa comparison Agaricus bisporus 5174.

opper active sites, role tryptophan, fluorescence, Neurospora 5173.

Catechol 1,2-dioxygenase, catechol 2,3-dioxygenase, substituted aromatic compounds, Nocardia corralina 912.

Catechol 2,3-dioxygenase, inactivation kinetics, 3-chilorocatechol, 3-fluorocatechol, Pseudomonas putida

3449.
induction, substituted aromatic compounds, Nocardia corralina 912.

Catecholamide,
iron chelating agents, bacteriostasis, fungistasis 448.

Catenaria anguilfutee,
antibiotics production, screening 528.
biological control, Meloidogyne incognita, sodium azide, effects on 8253.
parasitism, spores, Phytophthora cinnamomi, Phytophthora parasitica, biological
control, roof rol, Citrus, Persea 5515.

control, root rot. Citrus, Persea 5515.

Catharanthus roseus,
extracts, antifungal activity, phytopathogenic fungi 3884.
leafspot, Alternaria alternata 8049.
mycoplasma-like organisms infection, pleomorphism, staining 2816.
mycoplasma-like organisms, isolation, enzymes digestion 281.
wilt, gram-negative bacteria, pathogenicity, colonial characteristics 280.
Catheterization,
clinical isolates, drug resistance, trimethoprim 7347.
Escherichia coli, antibacterial activity, iontophoresis 734.

Catheters, polytef, comparison, polyvinyl chloride, bacteria incidence 3222. Catlonomycin, Actinomadura azurea sp.nov., biosynthesis 1416.

ations, effect on streptomycin antifungal activity, Phytophthora infestans 7379. levels, effects on antibiotic sensitivity testing 6498. soil, relationship Phymatotrichum ornnivorum ecological distribution 374. use, precipitation, citrus exocortis viroid RNA 3247.

use, precipitation, citrus exocorris viriori NNA 3247.

Cattle, animal isolates, Staphylococcus, API test identification 3271.

animal wastes+-cellulose, digestion (anaerobic) 7513.

animal wastes, +Coccs nucifera agricultural wastes, methane production 1487.

animal wastes, digestion (anaerobic), methanegenesis 7504.

animal wastes, digestion (anaerobic), methanegenesis 7504.

animal wastes, digestion (anaerobic), wastewater treatment, mesophilic bacteria

7519.

hile, Leuconostoc oenos resistance, effects on viability, freeze-drying, malolactic fermentation, wine 6125. Brucella abortus vaccination, tests comparison, complement fixation, hemolysis 1582.

1582 calmodulin amino acid sequence, structure-activity relationships comparison Dictypostelium discoldeum 5992. Dictypostelium discoldeum 5992 daires, antibiotics administration, bacteria, antibiotic resistance 430. endometritis, clinical isolates, bacteria, treatment, antibiotic sensitivity testing 4813. Escherichia coli isolates, enterotoxins isolation, characterization 8762. feces, detection, rotavirus, coronavirus, electron microscopy comparison enzyme-linked immunosorbent assay 8434. feces, fecal coliforms release, rain, water quality 4941. feed efficiency, avoparcin, feeds additives effects on 7878. foot-and-mouth disease virus synthetic peptides vaccines, antigenicity, production 6659.

production 6659 production 6659 immunogenicity, Haemophilus Influenzae antigens isolation, vaccines production

interferon antiviral activity, respiratory tract isolates 4759. intoxication, mycotoxins, food contamination, Zea mays 6205. juveniles, nutrient availability, single-cell protein, Torulopsis utilis 1921.

Cattle, (continued)
keratoconjunctiis, Moraxella bovis, media (isolation) 2452.
liver catalase+ Aspergillus niger glucose oxidase, immobilized enzymes, glucose oxidation 2578.
manure, digestion (anaerobic), waste treatment 9226.
mastitis, disease control, cow's milk, penicillin, quinaldofur, antibacterial activity, Staphylococcus, Streptococcus 5773.
mastitis, disease control, milking machines 571.
mastitis, prophylaxis, iodine, teat dips 4959.
mastitis, Staphylococcus aureus isolates, enterotoxins production, coagulase analysis 231.
milk isolates, Staphylococcus aureus drug sensitivity testing 6462.
milk isolates, Staphylococcus aureus drug sensitivity testing 6462.
milk isolates, according to the control of th antibiotic syneroism, imipenem, amikacin, Nocardia asteroides 480. amunomic synengism, impeneiri, aminiacin, Nocarona asteroides 490. cefsulodin, antibiotic synergism, antibacterial activity, Bacteroides 6512. Pseudomonas aeruginosa antibiotic sensitivity testing 1383. Streptococcus group B susceptibility 1381. Cefotetan, stability, N-methylthiotetrazole side chains 8343. Cefotiam, antibacterial activity, β-lactamase, antibiotic resistance, Enterobacter, Klebsiella 4711. mini, isolation, casein, substrates, Aspergillus growth, affatoxins biosynthesis 7078.

milking machines disinfection, mastitis disease control 9260. mycoolasmosis immunodiagnosis, counter immunoelectrophoresis methodology, Mycoolasma identification 6779.

mutrifiuv alue, single-cell protein, Saccharomyces cerevisiae, silage preservatives 2747.

paratuberculosis diagnosis, enzyme-linked immunosorbent assay methodology, Mycobacterium paratuberculosis protoplasm peptides 4185, rumen, cellulolytic bacteria, digestibility, feeds, turnips +straw 1920. rumen microorganisms, organic acids fermentation 1919.

Salmonella typhimurium, aribbiotic resistance, gentamicin 3998. salmonellosis protphylaxis, Salmonella typhimurium vaccines 5811. semen, isolation, Uregalasma, Ayrooplasma, anibiotic sensitivity testing 7473. serum proteins, binding, turimycin 7474. six microflora, bacteria, counting methods 4138.

Staphylococcus isolates, artibiotic resistance 3041. straw. Oryze sativa, digestibility, methanogenesis, digestion (anaerobic) effects on 7875. urine, soil, effects on denitrification 2948. Cefoxitin,
antibacterial activity, β-lactam antibiotics antagenism, reviews 507.
antibacterial activity reduction, Bactec test media, Thiol broth 6458.
antibacterial activity, Staphylococcus aureus, Streptococcus agalactiae 9189.
antibiotic resistance, Kiebsiella pneumoniae, plasmids, conjugation, Serratia antibiotic resistance, klebsiella pheumoniae, piasmios, conjugation, ser marcescens 4716. antibiotic sensitivity testing, anaerobic bacteria, clinical isolates 6549. antibiotic sensitivity testing, disc-diffusion test, clinical isolates, bacteria 4819
antibiotic sensitivity testing, Escherichia coli 7440.
antibiotic sensitivity testing, Proteus penneri 9182.
Bacteroides fragilis antibiotic resistance 1309.
cefsulodin, antibiotic synergiem, antibacterial activity, Bacteroides 6512.
inhibition, B-lactamase, structure-activity relationships, Enterobacter
cloacae, Citrobacter freundii 5120.
+reazlocaliin, antibacterial activity, bacteroidal activity, antibiotici + meziocillin, antibacterial activity, bactericidal activity, antibiotic antagonism, antibiotic synergism 7412. stability, β-lactamase 1394. Streptococcus group B susceptibility 1381. Cefpimizole, antibacterial activity, Pseudomonas aeruginosa, inhibition, β-lactamase 4830. antibacterial activity, anaerobic bacteria 3101. antibacterial activity, Enterobacteriaceae 4821. Cefsuiodin. urine, soil, effects on denitrification 2948. vagina, secretion, Brucella abortus antigens, enzyme-linked immunosorbent assay 6763. Cauliflower mosalc virus, infection, effects on brittle root disease, Spiroplasma citri, Armoracia infection, effects on brittle root disease, Spiroplasma citri, Armoracia rusticana 8020.

Caulobacter creacentus, penicillin-binding protein, purification, characterization 2559.

CDP-discyfglycarol synthase, enzymatic activity detection, phospholipids biosynthesis, Saccharomyces cerevisiae, autoradiography 3364.

Cacidomylidae, intestation, pest control, fruit bodies production, culture, Basidiomycetes 7855.

Cecropin A, synthesis, solid phase methods 4732.

Cefaclor, comparison, antibiotic FK 027, antibacterial activity, bacteria 2316. Cefsulodin,
antibiotic resistance, association, β-lactamase, Pseudomonas aeruginosa 4696
antibiotic synergism, +sulbactam, +cefoxitin, +cefotaxime, antibacterial
activity, Bacteroides 6512.
Ceftazidime,
antibioticisal activity, anar diffusion test 2259. antibacterial activity, agar diffusion test 2259. antibacterial activity, bacteria, animal isolates, Serpentes, in vitro, in vivo 5766 antibacterial activity, Enterobacteriaceae, Staphylococcus aureus 9186. antibacterial activity, Pseudomonas aeruginosa 6507. antibacterial activity, Pseudomonas aeruginosa 6507. antibacterial activity, Staphylococcus aureus 8351. antibiotic resistance, association, 9-lactamase, Pseudomonas aerugino antibiotic sensitivity testing, Proteus penneri 9162. + clindamycin, antibacterial activity 6515. high-pressure liquid chromatography, serum, urine 500. ± netilimicin, antibacterial activity, gram-negative bacteria 7428. comparison, antibiotic FK 027, antibacterial activity, bacteria 2316. Pseudomonas aeruginosa 4696 antibacterial activity, Staphylococcus aureus, Streptococcus agalactiae 9189. antibacterial activity, Staphylococcus aureus, overproductos agamente.

Cefamandole, antibacterial activity, Staphylococcus aureus, in vivo, in vitro 6523.

antibiotic resistance, dise-diffusion test, gram-negative bacilli 8292.

antibiotic resistance, Klebsiella pneumoniae, plasmids, conjugation, Serratia marcescens 4716.

antibiotic sensitivity testing, disc-diffusion test, clinical isolates, bacteria Ceftizoxime, artibacteria activity 4827. artibiotic sensitivity testing, Leptospira 1373. artibiotic sensitivity testing, Proteus penneri 9162. ± gentamicin, artibacteriai activity, Pseudomonas aeruginosa, clinical isolates 6516. 4819 4819.
antibiotic sensitivity testing, Haemophilus Influenzae, MS-2 system 498. antibiotic sensitivity testing, Streptococcus group D, media effects on 3095. hand isolates sensitivity 6524. stability, N-methythiotetrazole side chains 8343. Streptococcus group B susceptibility 1381. Certatrizine, antibiotetrial activity, Staphylococcus aureus, Streptococcus agalactiae 9189. meziocillin, antibacterial activity, bactericidal activity, antibiotic antagonism, antibiotic synergism 7412. water, antibacterial activity, disc-diffusion test 4046. Ceftriaxone. Teatrizine, antibacterial activity, Staphylococcus aureus, Streptococcus agalactiae 9189.

Temenoxime, antibacterial activity comparison, cefotaxime, moxalactam 1388.

Temenoxime, antibacterial activity eye microfiora, man 7546.

Temetazole, antibiotic sensitivity testing, Leptospira 1373.

Comparison, β-lactam antibiotics, antibacterial activity, Staphylococcus aureus, lipoteichoic acid, release 1393.

Temenoxime, antibiotic sensitivity testing, Leptospira 1373.

Temenoxime, antibiotic sensitivity testing, cephalosporins, N-formimidoyl thienamycin, Pseudomonas aeruginosa 508.

antibiacterial activity, Staphylococcus aureus, Streptococcus agalactiae 9189.

antibiotic sensitivity testing, bacteria 502.

antibiotic sensitivity testing, Pseudomonas aeruginosa 503.

antibiotic sensitivity testing, Pseudomonas aeruginosa 503.

antibiotic synergism, aztreonam, antibacterial activity, gram-negative bacilli, Staphylococcus aureus 6504.

± aztreonam, ± amikacin, serum bactericidal activity, Escherichia coli, Klebsiella pneumoniae, Serratia marcescens, Pseudomonas aeruginosa 8344.

Streptococcus group B susceptibility 1381. antibacterial activity, agar diffusion test, Enterobacteriaceae 1392 antibacterial activity, clinical isolates, bacteria 6509. amunacieriai activiry, clinicai isoiates, paccieria pobys.

Cefuroxime,
antibacterial activiry, penicillin antibiotic resistance, Staphylococcus aureus,
Staphylococcus epidermidis 4826.
antibiotic resistance, Klebsiella pneumoniae, plasmids, conjugation, Serratia ambiotic resistance, neosiena prieumonae, piasmios, conjugation, Ser marcescens 4716. antibiotic sensitivity testing, Branhamella catarrhalis 9087. antibiotic sensitivity testing, dis-califusion test, clinical isolates, bacteria 4819. Celery mosaic virus, purification methodology 6740. Cell adhesion,
Acinetobacter calcoaceticus, polystyrene, olive oil effects on 776.
bacteria, bioassays, comparison 7615.
bacteria, comparison, penetration, cell culture monolayers, detection methodol Colletotrichum lindemuthianum, spores, Phaseolus vulgaris, hypocotyls 3796. Pseudomonas solanacearum, Nicotiana tabacum cells, leaves cell walls 6282. Staphylococcus epidermidis, surfaces hydrophobicity, polymers, medical dress 8428. efotaxime,
antibacterial activity 1384,
antibacterial activity comparison, cefmenoxime 1388,
antibacterial activity, Enterobacteriacase 3939,
antibacterial activity, Enterobacteriacase 3939,
antibacterial activity, Enterobacteriacase 4809,
antibacterial activity, Enterobacteriacase, Haemophilus influenzae, Haemophilus
parainfluenzae 5754,
antibacterial activity, penicillin antibiotic resistance, Slaphylococcus aureus,
Slaphylococcus epidermidis 4826,
antibacterial activity, Staphylococcus aureus, Streptococcus aureus,
Streptococcus activity, Pseudomonas aeruginosa 7377,
antibacterial activity, Staphylococcus aureus, Streptococcus agalactiae 9189,
antibiotic resistance, oriser-resistance, amikacin, clinical isolates, Serratia
marcescens 4687. Cell aggregation, filtration, use biomass harvesting, Lactobacillus acidophilus 6802. Cell culture, Cell culture, continuous culture, biomass production, use vaccines, Bordetella pertussis 92: cryopreservation, yeasts 4222, epidemic hemorrhagic fever virus propagation, rats, Apodemus agrarius 7564. fungi, filtrates, iriburlytin biodegradation 3648, herpes simplex virus, detection, methodology 4436. y-interferor, antiviral activity, retrovirus 7390. Vero cells, quali embryos, propagation, Sephadex carriers, mumps virus 7562 Cell disruption, bacteria, methodology, proteins extraction 1593. Cell division, Escherichia coli conditional mutant, mecillinam effects on 3102. antibiotic resistance, Klebsiella pneumoniae, plasmids, conjugation, Serratia antibiotic resistance, Kiebsiena preumoniese, prasmirus, conjuganum, com-marcescene 4716.

antibiotic sensitivity testing, Branhamella catarrhalis 9163, antibiotic sensitivity testing, disc-diffusion test, bacteria 1387.

antibiotic sensitivity testing, Leptospira 1373.

antibiotic sensitivity testing, Streptococcus group D, media effects on 3095.

antibiotic synergism, aminoglycoside antibiotics, Streptococcus 1382. genetic engineering, biotechnology, industries, books 3367.

Cefotaxime, (continued) antibiotic synergism, cefotaxime, Streptococcus 1382. antibiotic synergism, gentamicin, bactericidal activity, Streptococcus group G

cell membranes,

antibacterial agents effects on, bacteria 9094.
cytochrome b, reaction centers, purification, characterization, Chlorobium limicola t.sp. thiosulataphillum 4253.
deltonin effects on, Micrococcus lysodelicitus 7355.
dioxidine effects on, Staphylococcus aureus, Micrococcus lysodelicitus 8306.
extracellular particles, role, Acinetobacter calcoaceticus, nutrient uptake, hurtocarbus 7308.

constructions / 308.

In the property of the p

1742.

role, Escherichia coli, Pseudomonas aeruginosa, wild type, envelopes mutants, sensitivity association, antibiotics, preservatives 3080. serine proteinase, purification, characterization, Bacillus subtilis 1783.

zeli permeability, continuous culture, malate dehydrogenase activity, alcohol dehydrogenase activity, Saccharomyces cerevisiae 3592.

zeli profiferation,
Agrobacterium, crown gall, host-parasite interactions, host plants 8855.

zeli surface,
Agrobacterium tumefaciens interaction plant cells, crown gall 8854, hydrophobicity, Escherichia coli injuries, antibiotics sensitivity 2241. localization, endodeoxyribonuclease, Streptococcus sanguis 4328. organelles, cellulose binding, cellulolytic enzymes, Clostridium thermocellum 5162.

Rhizobium meliloti, strains, nodulation, Medicago sativa, agglutinins 5651. Vibrio cholerae, antigens, enzyme-linked immunosorbent assay methodology 1624 ell Bacillus subtilis, biodegradation, carbon sources, Agaricus bisporis mycelia

growth 6151

Decilius subtilis, biodegradation, carbon sources, Agaricus bisporis mycelia growth 6151:
bacteria, acyl type identification, use, glycolic acid assays, methodology 9299. biosynthesis inhibition, antibiotics antibacterial activity 9174. biosynthesis inhibition, antibiotics antibacterial activity 9174. biosynthesis, funicamycin, inhibition, effects on, Streptomyces griseus, streptomycin, production 2273. degradation enzymes, Penicillium steckii, cocoa beans biodeterioration association 2823. Digitaria pentzii, degradation, rumen microorganisms 4428. hydrolysis, role, Ruminococous albus, a-L-arabinofuranosidase, purification, physiocchemical properties 5121. hydroxyproline levels, Cucumis sativus, disease resistance, Cladosporium cucumerinum 7205. leaves, Nicotiana tabacum, Pseudomonas solanacearum cell adhesion 6282. lignocelludese, steam disruption, cellulase, hydrolysis 5278. hydroxysproline content, association, wilt, Verticillium albo-atrum, Corynebacterium michiganense pu insidiosum 7928. Medicago sativa, hydroxyproline content, association, wilt, Verticillium albo-atrum, Corynebacterium michiganense pu insidiosum 7928. Medicago sativa, solubilization, enzymes, funinococcus albus 5117. membrane proteins, purification, characterization, Legionella 2581. peptidoglycans, Clostridium saccharoperbutylacetonicum, Bacillus subtilis, lytic enzymes, enzymatic activity 5994. Phytopithora megasperma f.sp. glycinea, effects on hydroxymethylglutaryl-CoA reductase activity, Giycine max cell culture 5507. plants, digestion, rumen microorganisms, reviews 3669. Pseudomonas phaseolica cell adhesion, extracellular polymers, polysaccharides, ultrastructure, Phaseolus vulgaris 2785.

Ultrastructure, antifungal activity, aculeacin A, papulacandin B, Candida albicans 9108.

Lead of the activity aculeacin A, papulacandin B, Candida albicans 9108.

Lead of the activity aculeacin A, papulacandin B, Candida albicans activity, aculeacin B, Candida activity, page 17. DNA, recombination, methodology 648.

Lead of the activity activity, soil microorganisms 3672.

Carbon sources, effects on cellulolytic enzymes excretion, Schizophyllum commune 6874.

Coppyriging attacks activity activities activity.

6874.

conversion, ethanol production, immobilized cells+ immobilized enzymes, Saccharomyces cerevisiae+β-D-glucosidase 8684.

saccharomyces cerevisiae+β-D-glucosidase immobilized enzymes+Zymomonas mobilis immobilized cells ethanol, see β-D-glucosidase immobilized enzymes+Zymomonas mobilis immobilized cells ethanol, see fetest on Thermomonospora (see cellulase activity 1804, feedback inhibition, cellulose hydrolysis, cellulase, Thermomonospora 6692, fermentation, ethanol, Candida wickerhamii 395, glucose, xylose, motures, fermentation, ethanol production, mixed culture, Clostridium saccharolysicum, Zymomonas anaerobia 6861, hydrolysis, β-D-glucosidase, Thermoanaerobacter ethanolicus 3493, role, β-D-glucosidase enhancement, Streptomyces granaticolor 4345, xylosyl acceptors, endo-1,4-β-D-xylanase, Cryptococcus albidus 3671.

allobiose dehydrogenase, purification, characterization, Fomes annosus 5976.

etlulase, activity, Cellulomonas fimi 6017.

activity, Cellulomonas Ilmi 6017.

activity, Cellulomonas Ilmi 6017.

activity, Ilminose conversion, glucose production, Trichoderma 14.

activity, Iemmentalion, cellulose, hydrolysis, ethanol production, 2,3-butanediol production, Trichoderma hazzianum, Klebsiella production, Trichoderma resea, Trichoderma hazzianum, Klebsiella pneumoniae, Saccharonyces cerevisiae, Zymomonas mobilis 5274.

activity, measuring techniques, mathematical models 911.

activity, Temmomonospora fusca, celloblose, glucose, metals ions, effects on

activity 1804

affinity chromatography 4302, affinity chromatography 4302, amino acid sequence, homology, exo-cellobiohydrolase, Trichoderma reesei 3509, asparito proteinase hydrolysis, Trichoderma reesei 67.
Aspergillus aculeatus, Botryodiplodia theobromae, association, fruit rot, post-harvest decay, oranges 2049
Aspergillus niger, brysicochemical properties 2592.
Aspergillus niger, physicochemical properties 2592.
Aureobasidium 86.
Bacterordes cellulosolvens 77740.
binding factors, cellulose hydrolysis, Clostridium thermocellum 931.
biodegradation, Daucus carota 8538.
biodegradation, Daucus carota 8538.
biodegradation, man-made lignocelluloses, Trichoderma 2711.
biosynthesis, Atternaria brassicae var sarson 8602.
biosynthesis, nitrogen sources effects on, Trichoderma viride 883.
biosynthesis, nitrogen sources effects on, Trichoderma viride 883.
biosynthesis, nitrogen sources, Trichoderma viride 3508.

Cellulase, (continued)

cellulase, (continued)
biosynthesis, Pestalotiopsis versicolor 13.
biosynthesis, Pestalotiopsis versicolor 13.
biosynthesis, Pestalotiopsis versicolor 13.
biotechnology, characterization, Streptomyces flavogriseus 5192.
biotechnology, characterization, Streptomyces flavogriseus 5192.
cellulose hydrofysis, biotecators, Trico-derma viride, Trichoderma longibrachiatum, Geotrichum candidum 4355.
cellulose hydrofysis, eleditack inhibition, glucose, cellobiose 8692.
cellulose hydrofysis, microfibritis formation, Trichoderma resesi 3472.
cellulose hydrofysis, microfibritis formation, Trichoderma resesi 3472.
cellulose hydrofysis, pretreatment, zinc chloride, hydrochloric acid 3656.
cellulose hydrofysis, pretreatment, zinc chloride, hydrochloric acid 3656.
cellulose hydrofysis, rachoderma resesi 6024.
Clostridium stercorarium, characterization, cellulose hydrofysis 1738.
Cocoa crop residues cellulose hydrofysis 8678.
Cocoa crop residues cellulose hydrofysis 8678.
Cocoa crop residues cellulose hydrofysis 8678.
compieves, fractionation, Asperpillus terreus 4309.
deficient mutant, Sporotrichum pulverulentum, lignin biodegradation, ilgnocelluloses 1868.
enzymatic activity, lignocelluloses biodegradation, microorganisms 3688.
enzymatic activity, lignocelluloses piodegradation, microorganisms 3688.
erosettom, carbon sources, celiobiose, cellulose effects on, Schizophyllum commune 6874.

commune 6874

Gommune 6474.

Fermentation, crop residues, ethanol production, Malus 3623.

fur.gi, spoilage, calcium chloride prevention, pickles, fermented food 8639.

genes, Cellulomonas fimi, transformation, gene expression, host systems,

Escherichia coli 6018.

genes, introns excision, methodology, clones, Trichoderma reesei 8568. glucose production, cellulose conversion, Gossypium hirsutum, Verticillium with 3683

Hordeum vulgare straw pretreatment, effects on bacteria fermentation 1045. + hydrogen peroxide, ethanol production, lignocelluloses fermentation 5303. hydrolysis, cellulose, melanin effects on 8530. hydrolysis, cellulose, Salix caprea 8676.

hydrolysis, cellulose, Salix caprea 8676. hydrolysis, cellulose, Tichoderma longibrachiatum, Trichoderma viride, Geotrichum candidum 6040, hydrolysis, hardwoods, glucose production 5160. hydrolysis, lignocelluloses, cell walls, steam disruption 5278. hydrolysis, lignocelluloses, cell walls, steam disruption 5278. hydrolysis, lignocelluloses, brigh pressure carbon dioxide+steam pretreatment, crop residues 1748. hydrolysis, lignocelluloses, solvents pretreatment 8683. hydrolysis, lignocelluloses, use production, single-cell protein 1885, hydrolysis, swadust, immobilized cells, radiation polymerization, Trichoderma ressei 6349.

reasei 6349.

irduction activity, mycelia, Trichoderma reesei 4298.

krielicio Selloria, mycelia, Trichoderma reesei 4298.

krielicio Selloria, proprieta 544.

krielicio Selloria, proprieta 544.

krielicio Selloria, proprieta 544.

krielicio Selloria, proprieta 545.

lignocelluloses hydrolysis, solvents pretreatment 8536.

lignocelluloses hydrolysis, sugars assays, 2.4-clinitrosalicyclic acid 8680.

lignocelluloses hydrolysis, sugars production, kinelicis, models 3474.

lignocelluloses hydrolysis, sugars assays, 2.4-clinitrosalicyclic acid 8680.

lignocelluloses hydrolysis, sugars production, kinelicis, models 3474.

lignocelluloses hydrolysis, sugars assays, 2.4-clinitrosalicyclic acid 8680.

lignocelluloses hydrolysis, sugars assays, 2.4-clinitrosalicyclic acid 8680.

lignocelluloses hydrolysis, sugars production, horderma reesei 759.

multienzyme complexes, purification, characterization, Trichoderma reesei 759.

multienzyme complexes, purification, characterization 878.

Penicillium funiculosum, hydrolysis, lignocelluloses 3484.

production, activity, spicellum rossum, comparison, Trichoderma reesei 3497.

production, hording cell walls, Cellulomonas flavigena 6879.

production, Continuous culture, Trichoderma reesei, characterization 101.

production, Cellulomonas flavigena 8545.
production, continuous culture, Trichoderma reesei, characterization 101, production, gene expression, Trichoderma reesei, strains development 77: production, growth conditions, effects on, Aspergillus fumigatus 6015. production, immobilized cells, Trichoderma reesei 3466. production, immobilized oells, Trichoderma reesei 6021. production, mutants, Alternaria alternata 3453. production, mutants, Alternaria alternata 3463. production, mutants selection, Trichoderma reesei 1750. production, nutrient requirements, U.V. radiation mutagenesis, Penicillium funiculosum 6532.

production, nutrient requirements, U.V. radiation mutagenesis, Penicillium funiculosum 8532. production, Pleurotus sajor-caju 90. production, Scopulariopsis brevicaulis, composting, animal wastes 928. production, thermal stability, Thielavia terrestris 5181. production, Trichoderma reesei+Aspergillus wentii mixed culture, media (culture) association 1736. production, Trichoderma reesei, adaptive production, Trichoderma reesei, catabolite repression, resistant mutant, screening, media (enrichment) 1797. Pseudocercosporella herpotrichoides, biosynthesis, activity, isolation, charartarization 7781.

Pseudocercosporaia harpounchouss, uosyninasis, acuny, souadon, characterization 7761.
purfication, affinity chromatography, Chaetomism o cellulolyticum 5143.
purfication, characterization, condida, fruit bodies, Termitomyces 6844.
purfication, characterization, Sporotrichum thermophile 4272.
purfication methodology, affininy chromatography, Trichoderma longibrachiatum

882 purification, methodology, Fusarium lini 3451. recovery, cellulose, Trichoderma reessei 6022. rolo Sclerotina sclerotiourum, pathogenessis, virulence, Helianthus annuus 2010. samples, containing activity, carboxymethylcelululase, endo-1,3-9-D-xylanase, Aspergillus niger, Trichoderma viride 8533. Schizophyllum commune, purification, amino acid sequence, characterization 7728. Thermomonospora curvata, biosynthesis, catabolite repression resistant mutant 1746

1746.
Trichoderma harzianum, lignocelluloses hydrolysis, factors affecting 1892.
Trichoderma harzianum production. Oryza sativa straw utilization 3725.
Trichoderma nesesi, bagasse hydrolysis, sugars production 1808.
Trichoderma reesei, begasse hydrolysis, sugars production 1808.
Trichoderma reesei, crop residues fermentation, production, butanol, acetone, Clostricium acetobutylicum 7832.
Trichoderma reesei, digestion (anaerobic), food processing wastes, methanogenesis, Beta vulgaris 6691.
Trichoderma reesei, penes, cloning 3498.
Trichoderma reesei, penicillium, Thielawia terrestris, sporotrichum cellulophilum, physicochemical properties, comparison 6008.
Trichoderma reesei, production, activity 3496.
Trichoderma reesei, production, activity 3496.
Trichoderma reesei, pidrol mutants selection, nystatin resistance 60.
Trichoderma viride, acids, biodegradation, Triticum aestivum, straw 6166.

Cellulose, (continued)

fermentation, single-cell protein production, crop residues, cellulolytic microorganisms 3726.

fermentation, yeasts 6955.

hydrolysis, binding factors, cellulase 8537.

hydrolysis, binding factors, cellulase, Clostridium thermocellum 931.

hydrolysis, binding factors, cellulase, Clostridium thermocellum 931.

hydrolysis, cellulase, microfloriis formation, Trichoderma reesei 3472.

hydrolysis, cellulase, pht effects on, soil isolates, Bacillus 7682.

hydrolysis, cellulase, pretreatment, zinc chloride, hydrochoric acid 3656.

hydrolysis, cellulase, reactors, Trichoderma, Geotrichum candidum 7736.

hydrolysis, cellulase, Trichoderma reesei 6024.

hydrolysis, cellulase, Trichoderma reesei 6024.

hydrolysis, cellulase, Trichoderma reesei 6014.

hydrolysis, Clostridium stercorarium, cellulase characterization 1738.

hydrolysis, Clostridium stercorarium, cellulase characterization 1738.

hydrolysis, feedback inhibrition, glucose, cellobiose, cellulase, Thermomonospora 8692 Cellulase, (continued) Trichoderma viride, adsorption, cellulose 1802.
Trichoderma viride, hydrolysis, cellulose, peracetic acid, sodium hydroxide, phosphoric acid, effects on 188. phosphoric acid, effects on 188.

use, subterranean clover red leaf virus purification 8460.

Cellulolytic becterfa,
collulose decomposition, soil 6339.
composting, sewage studge, crop residues, Oryza sativa 7492.
hemicellulose degradation, dianing detection 1634.
hemicellulose degradation, dianing detection 1634.
hemicellulose degradation 1999.
media (culture) bagasse hydrolysis, mathematical models, single-cell protein
soil microorganisms, methoxychlor effects on 9024.
straw biodegradation 6146.

Cellulolytic enzymes,
activity, errobic bacteria, media (enrichment) 35.
activity, fungi 6871.
activity, fungi 6871.
activity, fungi 6874.
activity, democelluloses, hydrogen peroxide pretreatment, Trichoderma reesei
3652.
cell surface organelles, cellulose binding. Clostridium thermocellum 5162. nydronysis, feedback inhibition, glucose, cellobiose, cellulase, Thermomonospora 8692 hydrolysis kinetics, cellulase, Trichoderma 85. hydrolysis, optimization, bioreactors, Trichoderma reesei 3658. hydrolysis, Trichoderma, glucose formation, kinetics mathematical models 1798. hydrolysis, Trichoderma, glucose formation, kinetics mathematical models 1798. hydrolysis 84. micrealization, role, chitin, soil microorganisms 4631. Myceliophthora thermophila biodegradation, taxonomy 1899. Penicillium funiculosum 9-D-glucosidase hydrolysis 877. +pigs animal wastes, substrates, digestion (naerobic) 2333. preservatives, prevention, biodegradation, soil microorganisms 7302. Quercus rubra, Quercus alba, Xylobolus frustulatus, biodegradation 3674. Salix caprea, cellulase hydrolysis 8676. supports, immobilization, profeinase, activity, Bacillus subtilis 5999. Trichoderma viride cellulase adsorption 1802. Trichoderma viride cellulase adsorption 1802. Trichoderma viride cellulase adsorption 1802. Trichoderma viride, cellulase adsorption 1902. Trichoderma viride, phorphoric acid, effects on 188. Trichoderma viride, hydrolysis, microwave radiation pretreatment, bagasse, straw, Ovyza sativa 5128. 8692 3652
cell surface organelles, cellulose binding, Clostridium thermocellum 5162. cellulose hydrolysis, books 3386. cellulose hydrolysis, sugars, fermentation, ethanol, cost-benefit analysis, Trichoderma reesei 5299. ethanol fermentation, fuels, microorganisms 162. excretion, carbon sources, cellulose, cellobiose effects on, Schizophyllum commune 6874. excretion, carbon sources, cellulose, cellobiose effects on, Schizophylium commune 6874.

hydrolysis, carboxymethylcellulose, xylan, Chaetomium cellulolyticum 1752.

hydrolysis, mathematical models, wood, Populus 8539.

hydrolysis, paper, mytyls stimulation 4330.

immobilized enzymes, Macrophomian phaseolina 8571.

microorganisms, cleaning, merhitanes, filtration, industrial water systems 57.

microorganisms, cleaning, merhitanes, siltration, industrial water systems 57.

production, Gestrichum candidum 8675.

production, Gestrichum candidum 8675.

production, Pleurotius sajor-caju 90.

production, Pleurotius sajor-caju 90.

production, Pleurotius sajor-caju 90.

production, Trichoderma reesei 5158.

production, Pleurotius sajor-caju 90.

production, nue bagasse, Trichoderma 6023.

purification, characterization, activity, Bacillus 5182.

Cellulolytic microorganisms,

crop residues, ethanol production, 3637.

ceological distribution, relationship wood decay, coastal waters 8196.

enzymes, macromolecules hydrolysis, pretreatment effects on 187.

fungi, fermentation 1004.

fungi, single-cell protein production, cellulose fermentation, crop residues
3726. inhibition, Pseudocercosporella herpotrichoides spores dispersal, eye spot, Gramineae 8058. Celluloytic enzymes, activity, lignocelluloses, ozone pretreatment, rumen microorganisms 3459. Celtis australis, Cettis australis,
host-pathogen interactions, Uncinula clintonii, isolation, morphology 8191.
Cenchrus ciliaris,
ergot, Claviceps fusiformis, pathogenicity 5421.
Cencoccum geophilum,
ectomycorrhizas formation, Coniferales seedlings, high-altitude environments,
mines 5547. fungi, si 3726 3726.

3726.

ignocelluloses hydrolysis, industrial wastes, paper mills, fermentation, fuels production 7781.

Cellulomonas, endo-1,3-8-D-xylanase, xylan hydrolysis 2566. glycerol dehydrogenase, purification, characterization 8591. growth, enzymatic activity production, carbohydrates substrates 32. media (culture), bagasse hydrolysis, mathematical models, single-cell protein production 4353. single-cell protein production, bagasse fermentation 1734.

Cellulomonas fimi, cellulase activity 6017. cellulase genes, transformation, gene expression, host systems, Escherichia coli 6018. isolation, pure culture, methodology, nutrient requirements, reviews 829. ectomycorrhizas, mycelia, inoculation, seedlings, Pinus banksiana 7227. Cenococcum graniforme, carbon-13 distribution, fatty acids, N.M.R. 8957. Central nervous system, immunoelectron microscopy, localization, rabies virus, antigens, embedding, immunoelectron microscopy, localization, rabies virus, antigens, embedding, methodology 4999.
side effects, 9-(2-hydroxyethoxymethyl)guanine, antiviral activity, clinical aspects, man, reviews 474.

Centrifugation, bacteremia detection methodology, man 2458. density gradients, influenza A virus hemagglutinins isolation, bromelain cleavage 4994. bulls.

β-D-glucosidase characterization 6833.

Cellulomonas flavlgena,
cellulase production, binding cell walls 6879.
cellulase, purification, characterization 915.
production, cellulase, hemicellulase 8545. production, cellulase, nemicellulase 6949.

Céllulose,
+animal wastes, digestion (anaerobic), cattle 7513.
beads, use β-D-galactosidase immobilized enzymes, Escherichia coli 72.
binding, cell surface organelles, cellulolytic enzymes, Clostridium thermocellum
5162. density gradients, methodology, isolation, protoplasts, Saccharomyces cerevisiae 9334. 934.
density gradients, scrapie agent purification 4985.
effects on agglutination, Brucella, clinical microbiology 699.
+lysis, blood culture, electection, bacterermia 755.
+lysis blood culture, isolation, Mycobacterium chelonei 1671.
lysis, blood culture, sicolation, Mycobacterium chelonei 1671.
lysis, blood culture, septicermia diagnosis, man 5032.
lysis, comparison, Bactec test, detection, bacteria, man 3313.
+lysis, histoplasma capsulatum blood culture recovery methodology 814.
+lysis, isolation, yeasts, bacteria, blood culture 1529.
lysis, recovery system, bacteria, fungi, clinical trials 4159.
Centrifuges,
use, gram stain preparation 1618. 5162.
biodegradation, U.V. radiation mutants, Aspergillus fumigatus 2707.
biodegradation, β-D-glucosidase activity, immobilized cells, Alcaligenes faecalis 5190. laccass 5190. biomass measurements, monitoring, computer applications, fermentation, Sporcoytophaga myxocococides 6165. biodegradation, hydrogen peroxide, free radicals, brown rot, Poria placenta 6173. biodegradation, microorganisms, reviews 4436. biodegradation, soil temperature soil nitrogen, levels, soil microorganisms, biodegradation, microorganisms, reviews 4436.

Idaga 5544.

Ibosynthesis, industrial applications, reviews, microorganisms 8619.

Ibosynthesis, reviews, bacteria 4359.

Iosynthesis, reviews, and reviews a carbon sources, effects on cellulolytic enzymes excretion, Schizophyllum com 6874.

ellulase hydrolysis, bioreactors, Trichoderma viride, Trichoderma longbirachiatum, Geotrichum candidum 4355.

cellulase nydrolysis, melanin, effects on 8530.

cellulase nydrolysis, melanin, effects on 8530.

cellulase sourcevary, Trichoderma resesi 6022.

cellulase roccovary, Trichoderma resesi 6022.

consultation of the state of the state of 8678.

conversion, to residues, hydrolysis, cellulase, Trichoderma reesei 8678.

conversion, picreactors, kinetics 5175.

conversion, citric acid production, models 3432.

conversion, glucose production, Gossypium hirsutum, wilt, cellulase 3683.

conversion, glucose production, Gossypium hirsutum, wilt, cellulase 3683.

conversion, glucose production, Gossypium hirsutum, wilt, cellulase 3683.

degradation, methanogenesis, Acetivibrio cellulolyticus 472.

fermentation, Acetivibrio cellulolyticus 172.

fermentation, Association, nutrient concentrations, batch culture, Clostridium thermocellum 4443.

fermentation, cellulase activity, Trichoderma 3622. actithiazic acid, antibiotic synergism, antibacterial activity, Escherichia coli 1390.
artibacterial activity, Pseudomonas aeruginosa 7377.
artibacterial activity, reviews 9184.
comparison, artibiotic FK 027, artibacterial activity, bacteria 2316.
containing, media (siolation), Bordetella bronchiseptica 7596.
Cephalexin amidase,
preparation, Xanthomonas 6823.
Cephalexidine, preparation, Asintronionas occo. Cephalorodine, halactamase substrates, antibodies deactivation, Staphylococcus aureus 5156. Cephalosporin C, chemical modification, 7α-hydroxycephalosporin C formation, Streptomyces clavuligerus 3098. conversion, 7-phenoxyacetamido-cephalosporanic acid, penicillin acytransferase, mutants, Penicillium chrysogenum 9183. production, association arthrospores, Acremonium chrysogenum 4829. Cephalosporins, activity, conferences 847. antibacterial activity 504. antibacterial activity 2260. antibacterial activity 4818. antibacterial activity, Bacteroides 9185. antibacterial activity, Cinical isolates, bacteria 6509. antibacterial activity comparison, cefoperazone, Pseudomonas aeruginosa 508. antibacterial activity, Enterobacteriaceae, Staphylococcus aureus 3099. inermocellum 4443.
fermentation, cellulase activity, Trichoderma 3622.
fermentation, cellulase activity, Trichoderma 3622.
fermentation, Clostridium thermocellum-4-Acetogenium kivui mixed culture 8671.
fermentation, enzymatic activity measurements, solid wastes 545.
fermentation, entranci, production, yeasts, Fusarium, Mucor, reviews 6107.
fermentation, production, acetic acid, ethanol, Clostridium thermocellum 5969.
fermentation, production, ethanol, n-butanol, acetic acid, n-butyric acid,
Clostridium 6150.

ephalosporins, (continued)
antibacterial activity, gram-negative bacilli 3086,
antibacterial activity, Pseudomonas aeruginosa 4825,
antibacterial activity, Pseudomonas aeruginosa 7377,
antibacterial activity, Pseudomonas aeruginosa 7377,
antibacterial activity, Staphylococcus aureus, Streptococcus, Haemophilus
influenzae 1389. imuerzae 1399. staphylococcus aureus, Streptococcus agalactiae 9189. antibacterial activity, structure-activity relationships 5765. antibacterial activity, toxicity, pharmacokinetics, reviews 5767. antibacterial activity, use 4817. antibiotic FR 17027, antibacterial activity, β-lactamase stability 7430. antibiotic HR 810, antibacterial activity, gram-negative bacteria clinical isolates 730.

isolates 7429.

isolates 7429. antibotic resistance, balcatmase, Proteus vulgaris 2194.
antibiotic resistance, balcatmase, Proteus vulgaris 2194.
antibiotic resistance, clavulanic acid inhibition β-lactamase, Bacteroides fragilis 3019.
fragilis 3019.
antibiotic resistance, clavulanic acid inhibition β-lactamase, Bacteroides fragilis 3019.
pseudomonas aeruginosa 7352.
antibiotic sensitivity testing 1385.
artibiotic sensitivity testing 1385.
Streptococcus group D, media effects on 3095.
biosynthesis pathway, bacteria 491.
S(-carboxynethy)-D-cysteine biosynthesis, Pseudomonas putida 4822.
chemical modification, production, antibacterial activity 1386.
colorimetry, clinical isolates, 6-lactamase production 487.
cross-resistance, methicillin, Staphylococcus aureus 6412.
enhancement, bactericidal activity, amikacin, gentamicini, Enterobacteriaceae, clinical isolates 5513.
β-lactamase hydrolysis, kinetics, Bacillus cereus 4279.

clinical isolates 6513.

Clinical isolates 6513.

B-lactamase hydrolysis, kinetics, Bacillus cereus 4279.

B-lactamase hydrolysis, kinetics, Bacillus cereus 4279.

B-lactamase hydrolysis, kinetics, Bacillus cereus 4279.

Scheduler and Sched

synthesis, immobilized enzymes 4795.
synthesis, Poricilini amidase, Kluyvera citrophila, Pseudomonas melanogenum 50
sphalosporlum,
prohisin, purification, characterization 8523.
sphalosporlum acremonium,
conversion, 5-(1-a-aminoadipoy)-1-cysteinyl-N-hydroxy-D-valine 5777.
isopenicilin N synthetase, penicililin biosynthesis 9195.
isopenicilini N synthetase penicililin biosynthesis 9195.
isopenicilini biosynthesis pathway, stereochemistry 6519.
penicilini biosynthesis 9195.
penicilini bio

4819.
antibiotic sensitivity testing, Escherichia coli 7440.
antibiotic sensitivity testing, quality control 4828.
antibiotic sensitivity testing, Streptococcus group D, media effects on 3095.
antibiotic synergism, rifamycin, antibacterial activity, Staphylococcus epidermidis 8359.
antibiotic tolerance, Streptococcus 6434.
Citrobacter freundir iesistance, incidence 6416.
Clostridium perfringens drug sensitivity testing 3085.

ephants. Streptomyces clavuligerus, biosynthesis, regulation, carbon sources, aeration

3097.

biosynthesis, defective mutant, Streptomyces lactamdurans, characterization 8380.

biosynthesis, Streptomyces griseus, Streptomyces lactamdurans, media (culture),
composition, effects on 6517.

Streptomyces griseus, Streptomyces lactamdurans, biosynthesis, antibacterial
activity 6518.

phaptrin,
antibacterial activity, Enterobacteriaceae 3099.

ambacteria activity, Emercuacieriateae 3099. sphem, production, carbon sources, regulation, Streptomyces clavuligerus 6522. sphems, derivatives, synthesis 6521.

ephotetan, antibacterial activity 6508.

artibactorial activity 6508, 
sphradina, 
patracilian, 
pa

Ceratocystis fimbriata, (continued) wilt, disease control, disease resistance rootstocks, pruning, Brazil, Mangifera wiit, usease control, disease resistance rootstocks, pruning, Brazil, Mangifera indica 5440.

Ceratocystis minor, blue stain, seasonal variations, hypersensitive response, Pinus ponderosa 8193. identification, immunodiffusion 806.

Geratocyatis nigracarpa, blue stain, effects on water conductivity, Pinus ponderosa Ceratocyatis penicillata, blue stain, pathogenicity, water stress, Picea abies 8173. Ceratocyatis polonica, blue stain, pathogenicity, water stress, Picea abies 8173. Ceratocyatis ulmi, pathogenicity, water stress, Picea abies 8173. blue stain, pathogenicity, water stress, Picea abies 8173. biplonical control. fund. 2320.

water conductivity, Pinus ponderosa 8194.

eratocyaris urim; biological control, fungi 6330. Dutch elin disease, biological control, antagonism, Streptomyces albovinaceus, Streptomyces griseus, inoculation, Ulmus americana 2890. Dutch elin disease, disease control, Ulmus Sdote, Dutch elin disease, disease resistance compounds, antifungal activity, Ulmus Dutch elin disease, disease resistance compounds, antifungal activity, Ulmus

americana 366. Dutch elm disease, disease resistance, mansonones isolation, antifungal activity,

Dutch eim disease, disease resistance, mansonones isolation, artifungal activi Ulmus americana 3926. Dutch eim disease, disease resistance, plant breeding, Ulmus 2870. Dutch eim disease, disease resistance, plant breeding, Ulmus 8186. Dutch eim disease, forest management, Canada 2922. geographical isolates, pathogenicity, hypovirulence, Dutch eim disease, Ulmus 8192.

infection, phytoalexins induction, defensive mechanisms, Ulmus glabra 5500. Cercopidee,

biological control, Metarhizium anisopliae inoculum production, factors affecting 5266.

5266.

Cercospora,
cercospora, photoinduction, production, ions, oxygen, superoxide 7901.
disease resistance plant breeding, Vigna unguiculata 8898.

Cercospora arachidicola,
leafspot, Arachis, disease resistance 5491.
leafspot disease control, Arachis hypogaea 3793.
leafspot, difects on, Arachis hypogaea 1894.
leafspot, pathogenesis, effects on growth, Arachis hypogaea 7945.
phytotoxins, inhibition, protons pumps, microsomes, Pisum sativum 8744
toxins, inhibition, Pisum sativum, protons, uptake 7122.

Corcospora calani, disease resistance plant breeding, Cajanus cajan 8899.

Cercospora canescens, leafsport, pathogenesis, Phaseolus mungo, planting density, time, effects on 7929.

Cercospora coffeicole, and the control of the cont

eyespot, anthracnose, shading, rainfall, seasonal variations, plantations, Coffea arabica 273.

Cercospora plaropi, leatspot, Eichhornia crassipes 8818. Cercospora rodmanli,

antifungal activity, aromatic compounds, storage cells, leaves, role disease resistance, Eichhornia crassipes 8813.

resistance, Eichnornia crassipes 8813.

Cercospora solina,
leafspot, Glycine max, disease resistance genes, Rcs gene 1172.

Cercospordidium personatum,
leafspot disease control, Arachis hypogaea 3793.
leafspot, effects on, Arachis hypogaea, yield 7934.
leafspot, pathogenesis, effects on growth, Arachis hypogaea 7945.

Cercosporin,
photoinduction, production, ions, oxygen, superoxide 7901.

Cercosporfin, photoinduction, production, ions, oxygen, superoxide 7901.

Cereals, detection, Fusarium mycotoxins, use, gas chromatography 7077. fermented food, production, role, lactic acid bacteria, reviews 211. food, grain, mycotoxins food contamination, methodology 225. grain quality, association mycotoxins food contamination 226. yeasts contamination, identification, characterization 5471.

Cerebrospinal fluid, dentification, characterization 5471.

Cerebrospinal fluid, bacteria antigens, detection, agglutination comparison counter immunoelectrophoresis 2483. bacteria, detection methodology 2486. enzyme-linked immunosorbent assay, detection, immunoglobulin G, Mycobacterium tuberculosis, proteins, meningitis, man 6773. herpes simplex virus sercepidemiology, man, enzyme immunoassay 614. herpes simplex virus sercepidemiology, man, enzyme immunoassay 614. herpes simplex virus sercepidatis, meningitis, man 6773. herpes simplex virus sercepidatis, meningitis, man formunosorbent assay, encephalatis, man 652. immunoglobulin G measurement, enzyme-linked immunosorbent assay methodology, Mycobacterium tuberculosis meningitis, methodology 7590. Japanese encephalitis virus antibodies, man, radiommunoassay, detection 615. latex agglutination, combasison, hadebact test, detection, haemophilus influenzae el-acteriamase detection methodology 1643. man, Haemophilus influenzae be polyribose phosphate antigens detection, agglutination tests 1594. Phadebact test, diagnosis, bacteria meningitis, man 3321. specimens, bacteria contamination incidence, meningitis false-positives, man 4785.

Cerinomyces ceraceus, wood biodegradation 1891.

Cerotoma trifurcata,

population density, distribution, disease transmission, bean pod mottle virus, Glycine max 243. Cerulenin.

Cerulenin, antibiotic resistance, fatty acid synthetase, purification, characterization, Cephalosporium caerulens, comparison, Saccharomycos cerevisiae 852 effects on Aspergillius parasiticus affatoxins biosynthesis 1075.

Cervical microflora, antibiotic resistance, buffaloes 2205.

Lactobacillius, biochemical characteristics, identification, methodology 781.

Cesium chloride, density gradients, ultracentrifugation, foot-and-mouth disease virus 6736. density gradients, viruses purification methodology 642.

user, isolation, purification, DNA, Micrococcus lysodeikticus, methodology 5918. Ceterach officinarum,

rhizosphere microorganisms, phyllosphere microorganisms, fungi 8981. Cetocycline,

mthesis, Nocardia sulphurea, characterization 2247

CGA 64250, cts on, lipid composition, Taphrina deformans 2084. CGA 78039,

disease control, crown gall, Malus pumila 343. disease control, crown gall, rootstocks, Malus pumila 342.

soll microorganisms biodegradation, structure-activity relationships, orchards, Prunus persica 5686.

Chaetomacin,

Bacillus, antifungal activity, Chaetomium olivaceum 4067. Chaetomium,

Cheertomium.

Cities and the second of the s lignocelluloses fermentation, biomass measuring techniques, nitrogen-15, mas spectroscopy 531 single-cell protein production, bagasse biodegradation, sodium hydroxide pretreatment 1715. single-cell protein production, lignocelluloses biodegradation, pretreatment, sodium hydroxide, hydrogen fluoride, steam 1712. single-cell protein production, reactors, fermentation, straw, Triticum aestivum 1711.

straw, biodegradation, pretreatment, steam, ammonia, liquid culture 2696. Chaetomium coarctatum,

2-(but-1,3-dienyl)-3-hydro-4-(penta-1,3-dienyl)-tetrahydrofuran biosynthesis

S532.

Cheatomium globosum, biodeterioration, wool, control, biocides 1288.

Cheatomium olivaceum, autifungal activity, chaetomacin, Bacillus 4067.

extracellular enzymes, glucose isomerase, xylose isomerase, characterization

7742.
xylose isomerase, extracellular enzymes, production 91.
Chalcone,
Corynebacterium equi hydrogenation carbon bonds 6153.
Chamelea gallina,
bloaccumulation, coliforms, microbial pollution, coastal waters 4128.

bloaccumulation, consistent of the control of the c Chandramycol, rication, characterization, antibacterial activity, Streptomyces lydicus 92/02.

lydicus 9202.

Chaoborus fävicara,
blological control, susceptibility, pathogens, Lagenidium giganteum 5235.

Charcoal rot,
Helianthus annuus, etiology, Alternaria alternata, Fusarium roseum, Fusarium
solani, Macrophomina phaseolina, Phoma macdonaldii, Rhizopus arrhizus 4551.

Macrophomina phaseolina, Cucumis melo, pathogenesis 2033.

Macrophomina phaseolina, disease resistance, Sorghum bicolor 8890.

Macrophomina phaseolina, disease resistance, Sorghum bicolor 8890.

Macrophomina phaseolina, Glycine max, Bradyrhizobium japonicum, rhizobitoxine,
role, protection 4509.

Cheddar cheese,

aflatoxins biosynthesis, Aspergillus flavus, Aspergillus parasiticus, temperature effects on 3703.

production, phage 646 (ML8) replication, dairy starters, Streptococcus lactis

production, use, dairy starters, Streptococcus cremoris, proteinase deficiency

ripening, stimulation, Streptococcus cremoris, intracellular proteinase 193.

ripening, stimulation, Streptococcus cremoris, intracellular proteinase 193.

Chamas, filtration, removal yeasts, bacteria 192.

brinss, filtration, removal yeasts, bacteria 192.

coliforms growth, nitrate -chloric acid effects on 7842.

contamination, milk relationship 5348.

dairy starters, straine synergism, acid production 7866.

formentation, Streptococcus, factic acid bacteria 3693.

food contamination, food processing, hygiene, organoleptic evaluation 8709.

initiation, Staphylococcus aureus growth, enterotoxins production 5381.

pasteurization, survival, Staphylococcus aureus, Salmonella 1902.

Penicillium food contamination, mycotoxins detection, identification 7080.

production, biotechnology, microorganisms, dairy starters 5328.

production, dairy starters, phages infection, isolation, characterization,

Streptococcus lactis subspilacitions, fungl, yeasts 9169.

production, industrial applications, fungl, yeasts 9169.

production, industrial applications, fungl, yeasts 9169.

8730.

groduction, milk-clotting enzymes, Mucro racemosus 3695, production, skim-milk powder, milkfat, Lactobacilius 4460, production, temperature effects on gas production, Clostridium tyrobutyricum

production, use, milk products, Penicillium roqueforti 2734, proteolysis, dairy starters, temperature, effects on 1907. proteolysis, renin, Mucor pusilius, Mucor mishel, Endothia parasitica 2741, ripening, cheese flavor, stimulation, triacylglycerol lipase, proteinase, fungi 7860.

Cheese, (continued)

ripening, dairy starters, Oospora lactis 6978.
ripening, L-phenylalanine conversion, phenethyl alcohol production, ripening

6993.

Roquefort cheese, mycotoxins levels, Egypt 7058.
Staphylococcus aureus growth, pH, water activity, temperature 6960.
starter cultures, books 5095.
whey, digestion (anaerobic), reactors, methane production 3197.
yeasts species 5342.

Cheese flavor,
ripering, cheese, stimulation, triacylglycerol lipase, proteinase, fungi 7860.
Chellanthes catanensis. rhizosphere microorganisms, phyllosphere microorganisms, fungi 8981. Chelates,

transition metals, affinity chromatography, proteins purification 3430.

transition metals, attnity chromatography, proteins purincation 3430.

Chelating agents,
iron, catecholamide, fungistasis, bacteriostasis 448.
iron, inhibition Clostridium botulinum toxins, pork, minced meat 7035.
iron, parabactin, bis-N1,N8-(2)-3-dehydroxybenzoyl)spermidine, antiviral activity, ribonucleoside-diphosphate reductase, DNA biosynthesis, herpes simplex virus 1 vesicular stomatitis virus 8335.

Chemical composition, actaplanin, Actinoplanes missouriensis biosynthesis, isolation 4870. actaplanin, Actino

themical control, tungi, growth, paints films 1290. 
insecticides ± fungicides, Hordeum, Phopalosiphum maidis 6317. 
molds, biodetenoration, monuments 1029. 
plant diseases, epidemiology mathematical models, reviews 4496. 
hemical modification, 
cephalosporins, production, antibacterial activity 1396. 
epoxyenone macrolide antibiotics, deepoxidation 5788. 
epoxyenone macrolide antibiotics, deepoxidation, products antibacterial activity 
5789. 

hemical oxygen demand.

5789.
Chemical oxygen demand,
biodegradation assays, reviews 7822.
effects on wastewater treatment, industrial effluents, meat industry, anaerobic conditions, bioreactors 3196.

conditions, bioreactors 3196. waste, microorganisms, measuring techniques, enumeration, waste water, biochemical characteristics, reviews 4918. wastewater treatment, industrial effluents, breweries 3201. hemical pollution, biodegradation assays, aquatic microorganisms, rivers 2329. biodegradation, use, genetic engineering microorganisms, ecological evaluation biodegradation, use, genetic engineering microorganisms, ecological evaluation

biodegradation, use, genetic engineering microorganisms, ecological evaluation 3685 monochlorobiphenyls, biphenyl, biodegradation, rivers 185. toxicity, marine environment, estuaries, genetic engineering microorganisms release, role, biodegradation 3681. toxicity testing, activated sludge respiration, bioassays 543.

Chemicals, induction, haustoria, Urediniales 6221. industries, production, use immobilized enzymes, yeasts, Aspergillus niger immobilized cells 6836. production, catalysis, use, microorganisms, immobilized enzymes, reviews 6031. +radiation pretreatment, crop residues, effects on enzymes hydrolysis 1044. radioactive labelling, association, flux, mycorrhizas, methodolgy, reviews 833. synthesis, bioelectrochemical cell, use, Aspergillus niger, glucose oxidase, xanthine oxidase, association, Caldaniomyces fumago, chloride peroxidase 6076 treatment, sewage sludge odros, deodorization 9247.

Chemiluminescence, enzyme-inked immunosorbent assay, diagnosis, viruses infection 1562.

Chemosutotrophy, hydrogen bacteria, screening, autoradiography 3261.

Chemostats, cell culture, Schizosaccharomyces pombe 7636.

hemostats, cell culture, Schizosaccharomyces pombe 7636, feedback inhibition, ethanol, Saccharomyces cerevisiae 6938, growth kinetics, Alcailgense sutrophus 9302. lysine production, respiration (cyanide insensitive), Brevibacterium flavum 7669. microorganisms, mathematical models, growth curves 9269, plasmids stability, regulation, feedback inhibition, methylotrophic bacteria

9303.
ibitol dehydrogenase biosythesis, mutants, Escherichia coli 6821.
ibitol dehydrogenase, ribitol nutrient deficiency, Escherichia coli 3444.
Thiobacillus terrooxidans, inori(II) oxidation, ferrous sulfate, kinetics 3000.
Chemotactic factors,
Streptococcus sanguis, purification, characterization 2556.
Chemotactic methylesterase,
purification, kinetics, characterization, Bacillus subtilis 3488.

Chemotaxis,

Pseudomonas aeruginosa, Vibrio cholerae, distilleries, effluents, coastal waters 560. Rhizobium meliloti, motility, soil 378.

Chemotherapy,
agents, effects on bacteria growth, Bactec test, cancer patients 3319.
infectious diseases, antibiotics antibacterial activity, antibiotic resistance 5099

Sos9.

Chenodeoxycholic acid, inductions and screen activity, ambidior resistance Sos9.

Chenodeoxycholic acid, induction, 7α-hydroxysteriod dehydrogenase, 7β-hydroxysteriod dehydrogenase, purification, induction, Clostridium absonum 4305.

Chenopodium amarranticotor, absosic acid, tobacco mosaic virus infectivity 2044.

Chenopodium ambrosodies, tobacco mosaic virus, sunnhemp mosaic virus, foliar applications, disease control 8140.

Chenopodium quinos.

kalanchoe latent virus cytopathology 7174.
papaya ringspot virus, mutants, use, biological control, infection 8110.

Cherry leaf roll virus, blackline disease etiology, Juglans hindsii 4530.

virus-like particles, localization, pollen, anthers, transmission (vertical), Prunus avium, Betula pendula, Juglans regia 7990.

rrunus avium, Betula pendula, Juglans regia 7990.

Cheatnut bilght,
Endothia parasitica, hypovirulence, strains incompatibility, genetic analysis,
biological control 368.

etomin,
stfects on, rumen microorganisms, growth, fermentation 2315.
licamycin,
broduction, isolation, Streptomyces albus, characterization 6067.
spectroscopy, structure 6890.
lick embryos,
sells growth optimization, fermenters, vaccines production, viruses 4077.
toxicity testing, e-toxin, Clostridium perfringens 8736.
yolk sac, Rickettsia prowazekii DNA purification, deoxyribonuclease treatment
sickens.

5033.

lickans,
animal isolates, Mycoplasma, antibiotic sensitivity testing, dilution tests,
animal isolates, Mycoplasma, antibiotic sensitivity testing, dilution tests,
antibiotic resistance 3087.

antibiotic resistance 3087.

antibiotic resistance 3087.

antibiotic resistance 3087.

antibiotic state of the state o

contactions prevention, intestinal microflora, antagonism, lactic acid bacteria 105 Lactobacillus isolates, amylase biosynthesis 1815.

ggs, tissues, levels, affatoxin B1, affatoxin M1, feeds contamination 8727, embryo fibroblasts, live combined vaccines production, Marek's disease virus, infectious burstifis virus, hepesvurus (turkey) 7486.

snzyme-linked immunosorbent assay, detection, Pasteurella multocida, antibodies 5074.

5074.
enzyme-linked immunosorbent assay use detection avian encephalomyelitis virus antibodies 5019.
eees, fermentation, fungi screening 3586. leeds, fermentation, fungi screening 3586. leeds, effattoxins contamination, mycotoxins 7898. leeds, affattoxins contamination correlation zinc ievels 4473. leeds contamination, Salmonella 7099. leeds, decontamination, Salmonella, microwave radiation, steam, hot air 1066. leeds, inposition (aerobic), offects on nutritive value, manure 6201. leeds, molds food contamination, ingestion effects on body weight 7014. leeds, mycoffora, affatoxins biosynthesis, accumulation, storage conditions effects on 7094. leeds. Paecifomyces varioti, nutritive value 7103.

enteus on 7094.

Geds, Paecilomyces varioti, nutritive value 7103.

Geds, Saccharomyces cerevisiae effects on growth 7874.

Geds, Saccharomyces cerevisiae effects on growth 7874.

Geds supplements, Lactobacillus plantarum, lysine biosynthesis, nutrient rededs supplements, colonization, gastrointestinal tract 7010.

God additives, effortomycin, antibacterial activity, Clostridium perfringens

1065.

Todo contamination, Pseudomonas, volatiles production 5317.

Tow contamination, Pseudomonas, volatiles production 5317.

Tow contamination, Pseudomonas, volatiles production 5317.

Tow contamination 3343.

Hemorrhagic ententitis virus antibodies detection, enzyme-linked immunosorbent assay methodology 9281.

Immunity, infectivity, live vaccines, avian laryngotrachettis virus 3180.

Intestinal microffora, biotin nutrient availability, oral administration,

Lactobacillus acidophilus+antibiotics 2750.

Isolation, Escherichia coli, antibiotic resistance, tetracycline, chlorampheniool, rifampicin, amoxicilim 3032.

Lactobacillus oral administration, inhibition coliforms, intestinal microffora, growth 2751.

Iliver, lipids levels, Fusarium vomitoxins contamination 2748.

grown 2751.

liver, lipids levels, Fusarium vomitoxins contamination 2748.

manure, aflatoxin B1 levels, temperature, humidity effects on 6208.

manure, digestion (anaerobic), waste treatment, methanogenesis, immobilized cells
7518.

7518.
Mycoplasma animal isolates, mixed infection detection, growth inhibition test 2449.

- Street Communication and the communication of the communication

2449.

Mycoplasma gallisepticum infection, diagnosis, agglutination, methodology 5078. synthesis 1838.

Newcastle disease, immunity, enzyme-linked immunosorbent assay detection 3244. Chlamydosporea, nutritive value, activated sludge, abattoirs, industrial effluents 7015.

Ruttive value, feeding trials, single-cell protein, Candida 5361.

Fusarium oxyseptoroteins nutritive value, aflatoxins food contamination effects on 5352.

Chloramine T., comparison, sod

viacoines, serological tests, standardization 5036.

Iklungunya Virus,
antigens, detection, agglutination, protein A 4991.
seroepidemiology, hemolysis, detection antibodies, man 4996.

Illdren,
dental caries, fluoridation 8431.
dental caries, fluoridation effects on epidemiology, British Isles 7555.
dental caries incidence, drinking water, fluoride levels 6728.
dental caries prophylaxis, fluoridation water freatment 7522.
diarrhea isolates, Escherichia coli identification, enterotoxins production
association, hybridization analysis 1934.
enzyme-linked immunosorbent assay, diagnosis, respiratory syncytial virus
infection 1564.
eoes, rotavirus (human) antigens detection, immunoassays solid-phase methods
4169.

4169 gastroenteritis, rotavirus (human) incidence, enzyme-linked immunosorbent assay, Venezuela 4165.

wenezuera 4103.

mmunoassays diagnosis adenovirus (human) infection, nasopharynx secretions, feces 3238.

malignancy, infection prophylaxis, laminar air flow, nosocomial environments 576.

parantiuenza virus detection, indirect fluorescent antibody test methodology 1565

Chitin, (continued) hydrolysis, chemical modification, Candida guilliermondii, Saccharomyces

hydrolysis, chemical modification, Candida guilliermondii, Saccharomyces corevisiae 6942. levels, Hebeloma cylindrosporum, ectomycorrhizas, Pinus pinaster 3949. membranes, biodegradation, bacteria 1036. metabolism, Mucor miehe, Streptomyces antibioticus, avermectin, inhibition 6578. reviews, biotechnology, lungi 5201. Chitin descriylase, role, chitosan biosynthesis, kinetics, Mucor rouxii 3435. Chitin synthesa, purification, Coprinus cinereus 4308. Chitin synthesa, role, chitosan biosynthesis, kinetics, Mucor rouxii 3435. Chitinash, chitosan biosynthesis, kinetics, Mucor rouxii 3435. Chitinash, assays, relationship population levels, fungi, soil 2937. biosynthesis, Trichoderma viride 920. Chitinolytic bacteria, synergism, pathogenicity+ Bacillus thuringiensis var.entomocidus, Spodoptera littoralis, biological control 131.

Chitosan, biosynthesis, chitin synthetase, chitin deacetylase role, kinetics, Mucor rouxii 3435.

biosynthesis, industrial applications, reviews, microorganisms 8619, production, fermentation, Absidia coerulea 6889.

Chlamydia,

ntamyotia; antigens, detlection, enzyme-linked immunosorbent assay 5068. antigens, purification, ion-exchange chromatography 728. immunoglobulin G, immunoglobulin M, detection, enzyme-linked immunosorbent assay 760

Infection, agglutination immunodiagnosis, sheep, goats 2504.

Chlamydla pattacl, infection, immunodiagnosis, enzyme-linked immunosorbent assay, antibodies detection 4183.

media (transport), clinical isolates 4206.

Chlamydle trachomatis,
antibacterial activity, ciprofloxacin, norfloxacin, pipemidic acid, cinoxacin,
nalidixic acid 3119.

nalidixic acid 3119.
antibacterial activity comparison, ofloxacin, tetracycline 9199.
antibacterial activity, rifamycin 8360.
antibodies, immunofiluorescence, respiratory tract diseases, man 4196.
cell culture, monolayers, McCoy cells, recovery methodology 1602.
diagnosis, hybridization analysis, DNA, methodology 9313.
diagnosis isolation, use, cycloheximide treatment McCoy
cells-typeriodic-acid-Schiff stain 3294.
immunoglobulin G specificity, detection, immunoperoxidase test 2476.
inclusions, cells, detection, monoclonal antibodies, labelling methodology 3337.
inclusions detection, monoclonal antibodies immunofiluorescence sensitivity, man
2455.

2455.
infection, immunodiagnosis, enzyme-linked immunosorbent assay, antibodies

detection 4183.

detection 4183.

detection 4183.

infectivity, McCoy cells, trifluoperazine, inhibition 450.

isolation, lubricants, effects on, medical instruments, genital tract 697.

isolation methodology 748.

isolation methodology 748. man 5037.

man 5037.
media (culture) + temperature, effects on storage 5079.
media (culture) + temperature, effects on storage 5079.
membrane proteins, detection, immunoassays 753.
miokamycin antibacterial activity 8368.
use, McCoy cells, isolation, cell culture, methodology 790.
+ analogs, conformation, N.M.R., C.D. 2305.
Cylamydocin.
Chlamydocin.
Chlamydocin.
Chlamydocin.
Chlamydocin.

Flusarium oxysporum f.sp.cucumernum, spore germination, bacteria, fluorescence, cytolysis, effects on, soil 8227. role, survival, pathogenesis, Fusarium, plant diseases, reviews 7189. Chloramine-T, comparison, sodium borate, media (transport), Mycobacterium bovis 665.

Escriencial coil 3997
rantibiotic resistance, bacteria, long-term effects 7323.
antibiotic resistance, bacteria, reviews 9052.
antibiotic resistance, clinical isolates, Salmonella typhi 9080.
antibiotic resistance, Escherichia coli, isolation, chickers 3032.
antibiotic resistance. Escherichia coli, isolation, chickers 3032.
antibiotic resistance.

Staphylococcus aureus 9178.

Staphylococcus aureus 9178.

antibiotic resistance, R factors transfer, Staphylococcus aureus 9044.

antibiotic resistance, Samonella typhi, mediation, plasmids 7322.

antibiotic resistance, Staphylococcus aureus, relationship protein A biosynthesis

9054 antibiotic resistance, Streptococcus pneumoniae, clinical isolates, USA, Colorado 436

4:36.
antibiotic sensitivity testing, Branhamella catarrhalis 9163.
antibiotic sensitivity testing, Escherichia coli 7:440.
antibiotic sensitivity testing, Haemophilus influenzae, MS-2 system 498 antibiotic sensitivity testing, Haemophilus influenzae, MS-2 system 498 bactericidal activity, Salmonella typhi, Salmonella enteritidis 4853.
biosynthesis, nitrate, ammonium effects on, Streptomyces venezuelae 8355.
biosynthesis, nitrogen sources metabolism, regulation, Streptomyces venezuelae 4854.
(Institution perfingers drus sansitivity testing 3085.

Clostridium perfringens drug sensitivity testing 3085. containing liposomes, phagocytosis, antibacterial activity, Escherichia coli

Chloramphenicol, (continued) infected macrophages 513. detection, enzyme-linked immunosorbent assay, methodology 3110. drug resistance, clinical isolates, Haemophillus influenzae, Haemophilus

drug resistance, clinical Isolates, Haemophilus influenzae, Haemophilus parainfluenzae 3035. 
drug sensitivity testing, Aeromonas salmonicida 8303. 
+EDTA-tromethamine, antibacterial activity, gram-positive bacteria 4816. 
effects on Bacillus subtilis, sporulation, stringent response 2242. 
effects on Phytophthroa infestans developmental stages 1401. 
pharmacology, reviews 5780. 
production, methyl α-glucoside effects on, Streptomyces venezuelae 4053. 
resistance, Phytophthora infestans 7320. 
resistance, Salmonella typhi 429. 
+rifampicin, antibiotic synergism, antibacterial activity, Haemophilus influenzae 
hose h 9164.

+mampion, ambiduo synergism, antibuaciental activity, riaemopinius innue type b 9166. titration 5779. Chloramphenicol acetyltransferase, Escherichia coli, association, antibiotic resistance, chloramphenicol 3997.

Escherichia cori, association, piaque assay development 592.
Chlorella vulgaris,

± Acinetobacter calcoaceticus, biodegradation, octane 2191.
Chlorhaxidine,
artibacterial activity, surfactants effects on 9261.
disinfection 1511.
misrocontrionments levels, relationship, Streptococcus mutans

microenvironments levels, relationship, Streptococcus mutans growth inhibition

microenvironnems ieveis, relationship, streptococcus mutans grown inhibition 1352.

mouthwashes, dental plaque, disease control, surgery, man 2423.
mouthwashes, disease control, dental plaque, man 2424.
resistance, gram-negative bacilii 9042.
Chlorhexidine discuters, etc., et

hlorination, aromatic hydrocarbons, biodegradation, TOL plasmid, Pseudomonas, Pseudomonas copacia 5313. drinking water, Legionella isolation 9256. effects on antibiotic resistance, sewage isolates 6437. fecal coliforms, counting methods, media (enrichment), wastewater treatment effluents 1470.

effluents 14/0. indicator species, Pseudomonas aeruginosa, Streptococcus, swimming pools 567. swimming pools, association, bacteria, levels, Australia 3220. water treatment, reduction, trihalomethanes, association, viruses, bacteria, vels 3206.

Chlorine.

levels 3/20.

Chlorine,
derivatives, disinfection 1506.
disinfectants, bacteria, viruses, wastewater treatment, residues 4938.
disinfectants, bacteria, viruses, wastewater treatment, residues 4938.
disinfection, resistance, Escherichia coli 9041.
disinfection, spores, Bacillus, clostridum, food industry 6413.
disinfection, spores, Bacillus, clostridum, 1648.
disinfection, perperature effects on, parevoirus 4864.
inactivation, parvoirus 1-1. characterization 475.
rotavirus (simian) S411 inactivation 8324.
synengism, chlorine dioxide, ozone, peracetic acid, disinfection, sewage
effluents, poliovirus 1 6694.
Chlorine dioxide,
antibacterial activity, bacteria, food contamination, food processing, off
flavor, poultry 7020.
antibacterial activity, bacteria, models, in vitro 8721.
control, microorganisms contamination, cucumbers 8051.
rotavirus (simian) S411 inactivation 8324.
synengism, chlorine, disinfection, sewage effluents, poliovirus 1 6694.
Chlormequat chloride,
effects on Bradyrhizoblum japonicum, nodulation, nitrogen fixation, Glycine max
8242.
B-Chloro-B-alanine,

β-Chloro-D-alanine

B-Chloro-D-alanine, containing dipeptides, peptide synthesis, antibacterial activity 4736.

C-Chloro-N-ethyl-1,3-t-ftazine-2,4-diamine, dechlorination, deamination, biodegradation, Phodococcus corallinus 8691.

c-(2-Chloro-N-2,5-xylylacetamido)-c-butyrolactone, controlled-release granules, use, disease control, Solanum tuberosum late blight, Phytophthora infestans 2887.

C-Chloro-S,5-triazine-4,6-diamine, biodegradation, Pseudomonas 7834.

2-Chloro-G-(trichloromethyl) pyridine, nitrification inhibitors, effects on ammonium levels, nitrifying bacteria, soil 7773.

effects on, Methylosinus trichosporium, methane, oxidation 2999. nitrification inhibitors, biochemical oxygen demand assays, waste water 1476. 9-Chioro-B-(detriylaminopheryl)-10-phenylacridan, media (selective), isolation, Pseudomonas aeruginosa 6783. Chloroberzsens, biodegradation, bacteria, isolation, metabolism, characterization 2718. Chloroberzotae, biodegradation, bacteria, isolation, metabolism, characterization 2718. Chloroberzotaela, aspergillus niger 6170. 2-Chloroberzota ecid, utilization, Pseudomonas cepacia 6954. 3-Chlorobezota ecid, biodegradation, plasmids, gene transfer, Pseudomonas putida 1008. Chloroblacaee, culture methodology 4214, storage, nitrogen (liquid), anaerobic conditions 4215. Chloroblocin, Actinomyces hydroxylation 5792.

4-Chlorobiphenyl

4-Chlorobiphenyt,
biodegradation, Achromobacter, Bacillus brevis 5304.
Chlorobium limicola f.sp.thlosulfatophilum,
cell membranes, cytochrome b, reaction centers, purification, characterization

3-Chiorocatechol, inactivation kinetics, catechol 2,3-dioxygenase, Pseudomonas putida 3449. 12-Chlorodehydroabletic acid, detoxification, industrial effluents, pulp mills, Mortierella isabellina 2706. Chloroflexaceae, culture methodology 4214. Chloroform, personal continuition acid production of the continuition and production of the continuities and production of

funigation, biomass estimation, soil microorganisms, nitrogen cycle, carbon cycle 8224.

6224. fumigation, effects on soil microorganisms, crop fields 5681. Industrial effluents, toxicity, methanogenic bacteria, digestion (anaerobic)

p-Chloromercuribenzoic acid, sulfhydryl groups inhibitors, effects on hemicellulase, hydrolysis, hemicellulose, Cephalosporium sacchari 4354. Chlorophenol,

Chloropheno, biodegradation, bacteria communities 182.
Chlorophenol, biodegradation, bacteria communities 182.
biodegradation, bacteria, sewage sludge 2703.
1-(4-Chlorophenoxy)-1-(1-Imidazolyi)-3,3-dimethyl-2-butanol hydrochloride, antifungal activity, tungi, clinical isolates 4756.
1-(4-Chlorophenoxy)-3,3-dimethyl-2-(1,2-4,-triazole-1-yl)methylbutan-2-ol, antifungal activity, tungi, clinical isolates 4756.
Chlorophyla, levels, Phaseolus vulgaris, association, Uromyces phaseoli rust 2775.
Chlorophyta, marine environment, association, antibacterial activity, penicillinase inhibition, effects on, Staphylococcus aureus, Escherichia coli B305. substrates, use, methanogenesis production, methanogenic bacteria 2184.
Chloropicrin, dehalogenation, Pseudomonas putida, biodegradation 6159.
Chloroplasta, differentiation, Saccharum officinale, Xanthormonas aibilineans scald 253. +ferredoxin-hydrogenase, immobilization, production, mydogen, oxygen 5161. utrastructure, Abufilon, plant diseases, abutilion mosaic virus, seasonal variations 4541.

ultrastructure, Phaseolus vulgaris, association, Uromyces phaseoli rust 2775.

ultrastructure, Priassonus regulario, Chlorosia, Capsicum annuum, spot, Xanthomonas campestris pv.vesicatoria 4546, Helianthus tuberosus, Pseudomonas syringae pv.tagetis infection 3849, leaves, Poa pratensis, ethylene induction, leafspot 8797. Lycopersicon esculentum, Cladosporium fulvum infection 5465.

Cytoplet score section turn, Claudosportum inivorm infection 3-65.

Chlorothal, effects on, development, mycorrhizas, Pinus ponderosa, Pseudotsuga menziesii 5582.

Rhizoctonia sensitivity 8106.

disease control, Phytophthora infestans, late blight, Lycopersicon esculentum 1206.
Chlorpromazine, role, measles virus budding inhibition 471.
Chlorquinaldol,

Chloraquinaldol, antibacterial activity, stimulation, pancreas, duodenum, man 9088.

Chloratracycline, antibiotic resistance, aerobic bacteria, coliforms, animal isolates, relationship leeds additives, pigs 8295. antibiotic resistance, anaerobic bacteria, animal isolates, chlorletracycline containing feeds, pigs 2197.
antibiotic resistance, fecal coliforms, Bolation, pigs 5711.
feeds, Salmonella typhimurium experimental infection, pigs, antibacterial activity 4466.
+ coltassium sorbate, + tetrasordium ethylenediamineterzacetate, fishery prod

activity 440c.

+potassium sorbate, +tetrasodium ethylenediaminetetraacetate, fishery products preservation, vacuum packaging 7885.

treatment, association, autibiotic resistance, coliforms, isolation, pigs 3033.

CHO cells, enderous detection methodology, Salmonella 1933.

enteriouxins detection methodology, salmonella 1933.

Chocolate spot,
Bothytis fabae, Vicia faba, pectinolytic enzymes, phytotoxins, effects on pathogenesis 3794.

Cholestenone, cholesterol oxidase, cholesterol conversion, nocardia rhodochrous 108. Cholesterol.

conversion, cholestenone, cholesterol oxidase, nocardia rhodochrous 108.

Cholesterol oxidase,
ion-exchange chromatography, Streptomyces lavendulae 4307,
nocardia rhodochrous, cholesterol conversion, cholestenone 108.

Cholic acid. biodegradation, Pseudomonas, anaerobic conditions 4427.

bloogradawir, r seudenimanii, Propionibacterium, cyanocobalamin, biosynthesis 146.

Choline oxidase, Alcaligenes, U.V. radiation, photoreduction, flavosequinone formation 891.

Alcaligenes, U.V. radiation, photoreduction, flavosequinone formation 891.

Chondrilla Junces,
weed control, Puccinia chondrillina biological control, life cycle, USA,
Washington 6074.
weed control, Puccinia chondrillina biological control 6075.

Chondrottn sulfate,
bacteria biodegradation, media use detection 9293.
Chondrostre-eum purpureum,
spore germination, inhibition, integrated control, fungicides+Trichoderma viride,
silver-leaf disease, pruning wounds, Prunus domestica 5588.
activity, Tyrotophan activation, Candida materia, 8590.

choristoneura, activation, Candida maltosa 8580.

Choristoneura,
biological control, virulence, Entomophthora egressa, role double-stranded RNA

noristoneura, (continued) viruses 8634. Chymosin; immobilized enzymes, mucor, milk curdling 205. thermal stability, Mucor miehei 79. Chymotrypalin, oir mobilization 6037, immobilization 6037, immobilization 6037, inhibitors, production, Streptomyces 7658, inhibitors, Production, Streptomyces 7658. inhibitors, Production, Streptomyces 7658. inhibitors, Production, Streptomyces 7658. pathogens exposure time effects on mortality, recovery, Bacillus thuringiensis 3555.
noristoneura furmiferana,
biological control, Bacillus thuringiensis, endotoxins induction anorexia 3570.
biological control, Bacillus thuringiensis, foliar applications 2652.
biological control, Bacillus thuringiensis, forests, Abies balsamea 7778.
biological control, Bacillus thuringiensis formulations, xylene, sorbitol 2667.
biological control, Bacillus thuringiensis spores, sunlight inactivation,
protection 119,
biological control, Bacillus thuringiensis spores, sunlight inactivation,
protection 150,
biological control, Bacillus thuringiensis subsp.kurstaki, field trials, USA,
Michigan 6078.
biological control, Bacillus thuringiensis, USA, Wisconsin 139.
biological control, pathogens, foliar applications, efficacy, persistence,
Bacillus thuringiensis 3556.
cell lines, selection, resistance, Bacillus thuringiensis, endotoxins 6695.
plasma membranes, glycoproteins receptors, binding, 8-endotoxin,
cytotoxicity, Bacillus thuringiensis subsp.kurstaki 5387. "Chymotrypsin,
-catalase, immobilization methodology 4304.
immobilized enzymes, matrix conformation effects on activity 1769. immobilized enzymos, immobilized enzymos, and controlled enzymos, lettuce necrotic yellows virus infection, etiology, symptoms, epidemiology 4502. lettuce Recroic yellows virus inrecuon, eliology, symptoms, epidemiology 4502.

Clear ariethrum,
Ascochyta blight, conferences, books 4247.
Ascochyta blight, disease control, fungicides 3883.
Ascochyta blight, Ethiopia 3790.
Ascochyta blight, Irdia 3792.
Ascochyta blight, Irdia 3792.
Ascochyta blight, Spain 3791.
Ascochyta rabiei blight, disease control, seed-borne diseases, reviews 3905.
Ascochyta rabiei blight, gleases control, seed-borne diseases, reviews 3905.
Ascochyta rabiei blight, pain 3791.
Ascochyta rabiei blight, paidemiology 3786.
Ascochyta rabiei blight, paidemiology 3786.
Ascochyta rabiei blight, pathogenicity, races 3788.
Ascochyta rabiei blight, recening projects 3787.
disease resistance, inheritance, Fusarium oxysporum f.sp.ciceris wilt 298.
disease resistance, plant breeding, blight, Ascochyta rabiei 3865.
disease resistance, plant breeding, blight, Ascochyta rabiei 3865.
disease resistance, Plant Pusarium oxysporum f.sp.cieris, gene regulation 3867.
germplasm screening, disease resistance, blight, Ascochyta rabiei 8093.
informaticium nitioacen fixetion, Birtablium 809. Cicer arietinum, cytotoxicity, Bacilius thuringiensis subsp.kurstaki 5387.

romatlacese, culture methodology 4214.

storage, nitrogen (liquid), anaerobic conditions 4215.

romatlum vinosum,

bacteriochirophyli preparation 2670.

romatlum warmingli,

rion-suffur proteins, purification, characterization 4262.

romatorousing,

enterotoxin B, enterotoxin C1, Staphylococcus aureus, characterization 1086.

sloaidation, capsid protein, foot-and-mouth disease virus, methodology 656.

purfication, characterization, neurotoxins multiple forms, clostridium tetani 7908. 7908 790s.

Azotobacter vinelandi 4260.

Azotobacter vinelandi 4260. vinelandii 4260. antibiotics, books 6795. bibodegradation assays, reviews 7822. dyes ligands, purfication, characturation, phospho-2-keto-3-deoxy-gluconate aldolase, Zymomonas mobilis 4294. extracellular enzymes purification, molecular weight, microorganisms 5159. isolation, purification, polygalacturonase isoenzymes, pectin lyase, Penicillium oxalicum 7720. inoculation, nitrogen fixation, Phizobium 8999. nitrogen fixation, nodulation, Rhizobium, zinc effects on 4650. nodulation, soil amendment, calcium oxide, calcium sulfate effects on, Phizobium 9015 Rhizobium nodulation 3960 Rhizoctonia bataticola infection, phenots levels 1975.
Rhizoctonia bataticola infection screening 1980.
Rhizoctonia bataticola infection screening 1980.
Rhizosphere, Rhizobium interaction 4699.
seed rot, damping-off, Pythium ultimum, seed treatments, biological control, Pencillilum oxalicum 8114. oxancum /72U.

membrane filtration, measuring techniques, phages, concentration, water,
methodology 58c, page 100 methodology, use, detection, aflatoxins food contamination, Aspergillus
parasiticus, Zea mays, Phaseolus 7088.
plasmids, DNA, purification, precipitation, methodology 5917.
purification, characterization, thymidine, 2-oxoglutarate dioxygenase, Neurospora
crassa 5122. Penicillium oxalicum 8114.
seedlings, disease transmission, Asocochyta rabiei, disease control, benomyl, thiabendazole 1969.
stem ord, wilt, Sclerotinia sclerotiorum, planting timing effects on 5412. susceptibility, factors affecting, Asocohyta rabiei blight 1974. symbiosis interaction, Rhizobium 4648.
wilt, epidemology, Verticillium albo-atrum, Pakistan 1117.
Cinemicrography,
soft rot, biodegradation, Phialophora hoffmannii, wood 1245.
Cinoxacin,
antibacterial activity 6455. purification, characterization, thymidine,2-oxoglutarate dioxygenase, Neurospo-crassa 5122, purification, toxins, Corynebacterium diphtheriae 3750, pyrolysis, Enterobacteriaceae identification 9324. RNA polymerase III, ionic strength effects on, yeasts 7704. use, pyruvate decarborylase catalysis, pyruvic acid, acetaldehyde, acetoin by-products, Saccharomyces cerevisiae 7721. tromulum(III), artifitungal activity, Fusarium oxysporum f.sp.lycopersici, Cunninghamella echinulata 8316. soil nitrification, effects on nitrifying bacteria 9027. tromulum(IVI), antifitungal activity, Fusarium oxysporum f.sp.lycopersici, Cunninghamella echinulata 3316. soil nitrification inhibition, mathematical models 2358. tromulum(VI), antifungal activity, Fusarium oxysporum f.sp.lycopersici, Cunninghamella echinulata 8316. soil nitrification inhibition, mathematical models 2358. tromulum(VI), antifungal activity, Fusarium oxysporum f.sp.lycopersici, Cunninghamella echinulata 8316. soil intrification index on nitrifying bacteria 9027. tromobacterium Ividum, nutrient uptake, acephate, effects on 6460. tromobacterium violaceum, arphamenine synthase, purification, characterization 6044. tromosome number, association, ethanol, production, Pachysolen tannophilus 147. tromosome 6, genes actin, mapping, Saccharomyces cerevisiae 6788. tromosomes, bacteria, genetics, computer programs 5069. DNA, separation methodology, yeasts 9335. Cinoxacin, antibacterial activity 6455. antibacterial activity, Chlamydia trachomatis 3119. antibacterial activity, Pseudomonas aeruginosa 7377. comparison, norfloxacin, antibacterial activity, Enterobacteriaceae 7373. cross-resistance, Pseudomonas aeruginosa, Escherichia coli 6421. treatment, urinary tract infection, bacteria, man 2212. artibacterial activity, 4744. custiment, unnary tract infection, bacteria, man 2212.

Clprofloxacin,
antibacterial activity 4744.
antibacterial activity 4745.
antibacterial activity 6455.
antibacterial activity 6455.
antibacterial activity 6455.
antibacterial activity, calacterides fragilis, Clostridium, pH, inoculation,
effects on 4733.
antibacterial activity, Chiamydia trachomatis 3119.
antibacterial activity, Chiarrobacteriaceae 4734.
antibacterial activity, Enterobacteriaceae 4734.
antibacterial activity, Enterobacteriaceae, Pseudomonas aeruginosa 4746.
antibacterial activity, ram-negative bacteria, gram-positive bacteria 6467.
antibacterial activity, Legionella 5729.
antibacterial activity, Legionella 5729.
antibacterial activity, Legionella 5729.
antibacterial activity, Veobacterium 9085.
antibiotic sensitivity testing, anaerobic bacteria, aerobic bacteria 4730.
cross-resistance, Pseudomonas aeruginosa, Escherichia coli 6421.
Cla-platinum diamminodichioride,
antivital activity, vaccinia virus, adenovirus (human) 5, vesicular stomatitis
virus 9124.
inhibition, β-lactamase, Bacillus cereus 1754. ntonic bee paralysis virus, antisera production 5891. ityselidocarpus luteecens, ityselidocarpus luteecens, ityselidocarpus iuteecens, effects on 3910. vius 9129.
inhibition, P-lactamase, Bacillus cereus 1754.
Clatus Incenus subap, incanus,
ectomycorrhizas, Tuber melanosporum, roots, growth 3940.
Clirallus vulgaris, effects on 3910.

https://www.miss.com/santhemum,
crown gall, biological control, Agrobacterium radiobacter, reviews 333.

white rust, epidemiology, Puccinia horiana, Australia 2024.

https://www.miss.com/santhemum.or/follum,
growth stimulation, inoculation, Glorius fasciculatus 1269.

Phytophthora cryptogea infection susceptibility, salinity effects on 7181.

Pseudomonas cichorii inoculation, spot pathogenesis 4537. seed-borne diseases, transmission (seed), Didymella bryoniae 8036.

Citric acid,
effects on monophenol monooxygenase activity, browning, Agaricus bisporus, effects on monophenion monitoxygeniase activity, browning, riganicus disponds, spoilage 3705.

effects on Pleurotus ostreatus penicillin acytase biosyphesis 2582. production, U.V. radiation mutagenesis, Aspergillus niger 1731. production, Aspergillus niger mutants, liquid culture 1708. production, Candida guilliermondii 3416. production, carbon sources, whey, Phoenix dactylerifera seeds, Candida lipolytica or 272. chrysanthemum stunt viroid detection, South Africa 6261 trysanthemum stunt viroid, detection, Chrysanthemum , South Africa 6261. 873.

production, cellulose conversion, models 3432.
production, fermentation, Aspergillus niger 6813.
production, fermentation, Candida lipolytica 5962.
production, immobilized cells, Saccharomycopsis lipolytica 2554.
production, liquid culture, Aspergillus niger 6814.
production, inquid culture, Aspergillus niger 6814. irysomyxa woroninii, bud rust, Picea, pathogenesis 5580. ryzosportium, soli microorganisms, Spain 6336. ryysosportum farinicola, spoilage, coconut 5344. ryysosportum pannorum, growth conditions, meat, food contamination 6193. diacetoxyscirpenol, feeds contamination, feeding behavior, chickens 7898. food contamination, man, animals, screening methodology, reviews 7079. identification, Penicillium food contamination cheese 7080. like compounds, Fusarium avenaceum 5373.

Citrinin, (continued)
N.M.R., structure, biosynthesis, Aspergillus terreus 6570.
production, barley contamination, Penicillium viridicatum 5375.

N.M.R., structure, biosynthesis, Aspergillus terreus 6570. production, barrley confamination, Penicillium viridicatum 5375.

Citrobacter, clinical isolates, antibacterial activity, bactericidal activity, dibekacin, gentamicin, tobramycin 6540. immobilized cells, cadmum bioaccumulation 5690. netilimicin sensitivity 6401. plasmids, gene products, β-lactamase purification, characterization 26.

Citrobacter diversus, cephalosporins resistance 6417.

Citrobacter freundil, antibiotic sensitivity testing, ampicillin, amoxycillin 2198. cephalosporins resistance 6417. immobilization methodology 5077. immobilization methodology 5077. immobilization methodology 5077. immobilization endostology 507. immo (S) AB

Citrullus vulgaris var.fistulosus, Geotrichum candidum infection, chemical analysis 2031.

Geotrichum candidum infection, chemical analysis 2031.

Itilitias, blight, Fusarium solani, relationship soil nutrients 2003.

blight, Fusarium solani, relationship soil nutrients 2003.

detection, apple mosalic virus, prunus necrotic ringspot virus, prune dwarf virus, erzyme-linked immunosorbent assay 6249.

digestion (anaerobic), wastewater freatment, chracterization 4117.

disease resistance, overwintering, Phytophitor actircyphtora 5509.

fusarium sease resistance, overwintering, Phytophitora citrcyphtora 5509.

cells, Corynebacterium (ascians 7773.

orchards, species composition, fungi 3930.

processing, industrial wastes, fermentation products, energy resources 6102.

root rot, Phytophthora cinnamomi, Phytophthora parasitica, biological control, parasitism, Catenaria anguilulate 5515.

seedilings, Alternaria tenuis albinism, disease control, fungicides 1219.

vesicular-arbuscular mycorrhizas, vertical distribution, irrigation, water salinity effects on 1255.

water conductivity, transpiration, nutrient uptake, phosphorus, vesicular-arbuscular mycorrhizas 812.

Vescicular-arbuscular mycorrhizas (1500).

yielo, inclusiosin, control de Citrus aurantium, ruginosa, Erwinia herbicola, ice nucleation activity 2805. Pseudomonas acruginosa, Erwinia herbicola, ice nucleation activity 2805. seedlings, symbiosis, Giornus intraradices, photosynthates distribution association 8219.

Citrus macrophylla, symbiosis, discribing files on viruses plant diseases, pathogenisis (Citrus macrophylla, symbiosis, Glorus etunicatus, effects on viruses plant diseases, pathogenisis 4835.

4635.

Citrus paradial,
blight, effects on, growth, minerals, uptake, evapotranspiration 5439.

Citrus ericulate,
fruit rot, disease control, Bottyodiplodia theobromae 5525.
post-harvest decay, fruit rot, drugi 8876.

Citrus sineneis,
Diplodia natalenisis post-harvest decay, polygalacturonase characterization 7198.
× Poncirus trifoliata, seedlings, symbiosis, Glomus intraradices,
photosymthates distribution association 8219.
Pseudomonas aeruginosa, Erwinia herbicola, ice nucleation activity 2805.
rats, growth stimulation, ambibiotics production, Pseudomonas putida, Pseudomonas discorption, indicorption, indico

roots necrosis, association, blight, Fusarium isolation 1136.

Cladina stellaris, litter biodegradation, winter, sub-polar environments 3907.

litter biodegraciation, winter, sub-polar environments 3907.
Cladosportium:
Cladosportium:
antagonism, leaf rust, Melampsora larici-populina, hybrids, Populus 361.
filtrateis effects on, Citrus limon pollen germination 2800.
growth, contamination, taints production, corks, wine 7798.
mycoffora, Vicia faba flowers, contamination, beans, Egypt 7085.
spores, hermal injury, preservatives effects on, germination, growth 1072.
Cladosportum bantienum,
pathogens, isolation, feeds, storage buildings 582.
Cladosportum carpophillum,
condia release, environmental factors, disease spread, scab 272.
scab, Prunus, disease control, fungicides, new records 339.
Cladosportum carp/genum,

scab, Prunus, disease control, fungicides, new records 339.

Cladosportum carylgenum,
scab, host-pathogen interactions, leaves histopathology, disease resistance,
Carya illinoensis 3814.

Cladosportum cladosporloidee,
biodegradation, Alnus leaves, aquatic environment 184.

Cladosportum cucumerinum,
antifungal activity, melicopicine, tecleanthine, 6-methoxy tecleanthine, bark,
Teclea trichocarpa 4738.
antifungal activity, phytoalexins, Phaseolus aureus 5520.
disease resistance, Cucumis sativus, cell walls hydroxyproline levels, lignin
deposition 7205.

pathogenicity. Solanum tuberosum, disease resistance, lignin deposition 7206. resistance, antifungal activity, dicarboximides 8296. scab, Cucumis sativus seedlings, pathogenesis, role, proteinase 7178.

Cladosporium fulvum, infection, Lycopersicon esculentum, chlorosis, necrosis 5465. 1,4-naphthoquinone derivatives antifungal activity 9103.

Intercont, tycoperston secure that in the order of the control of

stunt 0240.

Claim of the control of

stunt, Cynadon dactylon stunt 6240.

Clavlceps,
alkaloids biosynthesis, phosphate role 3754.
elymoclavine, conversion, paspalic acid, physicochemical properties 5252.
ergot alkaloids, detection, grain, flour, use, liquid chromatography 7050.

Clavlceps fusiformis,
ergot, morphology, pathogenesis, Pennisetum americanum 3829.
ergot, pathogenicity, Cenchrus ciliaris 5421.
ergot, Pennisetum americanum, disease control, pollen management 1990.

Clavlceps microcephala,
ergotism, incidence, Pennisetum typhoides, atmospheric conditions effects on
5427.

5427.

Claviceps purpurea,
biosynthesis, ergotamine, cell-free system 968.
conidia overwintering, Poa annua infection 7175.
immobilization methodology, production, ergot alkaloids 969.

immooiizauon mennoology, production, ergot analous ses.

Clavulanto acid,
+amoxicillin, abdactenal activity, antibiotic resistance, clinical isolates,
gram-negative bacteria, gram-positive bacteria 7438.
+amoxicillin, antibacterial activity, Klebsiella aerogenes, Escherichia coli
4839. +amoxicillin, antibiotic sensitivity testing, urinary tract, infection, bacteria,

rainocalini, ambiotae serialivi, teating, unitary tract, infection, become clinical isolates 6525 antibacteria activity, Enterobacteriaceae 4809. auxotrophs mutants isolation, Bacillus licheniformis 7611, Bacteroides fragilis, effects on β-lactam antibiotics antibacterial activity \$1500.

FIGS9.

effects on antibiotic sensitivity testing, ampicillin, carbenicillin, mezlocillin, azlocillin, piperacillin, Bacteroides fragilis 9164. inhibition 8-lactamase, antibiotic resistance, cephalosporins, Bacteroides fragilis 3019.

-lactamase inhibitors, gram-negative bacteria 9161. sulbactam, antibiotic synergism, antibacterial activity, Acinetobacter calcoaceticus 4792.

caroacericus 4792.

+ticarcillin, antibacterial activity, clinical isolates, Enterobacteriaceae 4835.

+ticarcillin, antibacterial activity, Enterobacteriaceae 9191;

-ticarcillin, antibiotic sensitivity testing, gram-negative bacteria,

Staphylococcus aureus 4786.

+ticarcillin, disc-diffusion test, antibiotic sensitivity testing, bacteria,

dinical isolates 5774.

Citiva, adsorption kinetics, poliovirus 1 379.
adsorption kinetics, poliovirus 1 379.
carbon sources decomposition, humification, biomass levels, soil microorganisms 2938.
discossion soil structure, rhizosphere microorganisms, organic acids effects on

dispersion, soil structure, rhizosphere microorganisms, organic acids effects on 5639.

8-8xotoxin formulations, Bacillus thuringiensis subsp.berliner, pest control,

p-exoroxin formulations, eaculus muringiensis subsp.ceniner, pesi control, Pullicidae 4398. media, association, endomycombizas effects on host plants growth 2136. minerals, interaction, microorganisms, soil, reviews 4624. hizosphere nicroorganisms organic matter composting, effects on Sorghum vulga-

roots 2121. Soil microorganisms, carbon sources soil analysis, biomass levels, factors affecting, soil analysis 2935. Soil properties, effects on  $\alpha$ -amylase,  $\beta$ -D-fructofuranosidase, activity, grasslands 403.

influence, Link busylusses, monitorials, analysis contamination, carcases, turkeys, meat industry 1053. bacteria contamination, milk storage tanks 1505. floors, nosocomial environments, disinfection, bacteria 7544.

Clear cutting, effects on ectomycorrhizas association, Pseudotsuga menziesii 7231.

effects on Sciency (Clerocidin, Characterization, Oldiodendron truncatum 5801. Clerodendrum, plant extracts, antiviral activity, plant viruses, foliar application, plant diseases 5535.

diseases 5535.

Climate, epidemiology, plant diseases 1095.

Climatic conditions, cold, adaptations, soil microorganisms, nitrification, soil, Greece 6358. effects on Gossyprum disease control, gram-negative bacteria contamination 453 (fung) infection, Zea mays seeds 1992.

Climate community.

fungi infection, Zea mays seeds 1992.

Climax community,
microorganisms, characterization, activated sludge 1491.

Clindamycin,
analogs, pirlimycin, synthesis, antibacterial activity 6543.
antibacterial activity 2275.
antibacterial activity, in vitro, pediatrics, reviews 5783.
antibiotic resistance, Bacteroides, detection 3014.
antibiotic resistance, Bacteroides, detection 3014.
antibiotic resistance, Bacteroides fragilis, clinical isolates 7318.
antibiotic sensitivity testing, amaerobic bacteria, clinical isolates 6549.
antibiotic sensitivity testing, antibiotic resistance resistance, Staphylococcus aureus 7424.

Clindamycin, (continued)
antibiotic sensitivity testing, Bacteroides nodosus 3056.
antibiotic synergism, gentamicin, Bacteroides melaninogenicus, Bacteroides fragilis 3118.
+ceftazidime, antibacterial activity 6515.
clostridium pertringens drug sensitivity testing 3085.
effects on p-lactamase derepression, gram-negative bacteria 515.
effects on Staphylococcus, fibronectin interactions, leukocytes (polymorphonuclear) phagocytosis 514.
inhibition, Staphylococcus aureus toxic shock syndrome exotoxins biosynthesis 7116. 7116. leukocytes (polymorphonuclear) penetration, antibacterial activity, man 492. antibiotic sensitivity testing, 488. antibiotic sensitivity testing, 488. antibiotic sensitivity testing, agar dilution test 7399. bacteria analysis, information systems, computer applications 6770. bacteriology, computer programs 2474. conferences 7641. gas chromatography, diagnosis, infection 746. identification, Candida, Clinical isolates 808. immobilized enzymes 88. immobilized enzymes 88. immobilized enzymes 88. immobilized sensitivis 555. laboratories, Norway, antibiotic sensitivity testing quality control 4040. microorganisms, identification, methodology, reviews 3232. quality control 1371. urine, culture, tubes, samples volume, preservatives, bactericidal activity 70 quainy control (371).
urine, culture, tubes, samples volume, preservatives, bactericidal activity 708.
citicocybe assays, microorganisms 46.
citicocybe aubilludens,
illudoids biosynthesis 527. Cloacin, xcretion, Escherichia coli, glucose fermentation effects on 2688. Clones, Vitis vinifera, yield, leaf-roll, genetic variance, effects on 8859. Cloning, antibiotic resistance, ribostamycin, kanamycin, novobiocin, destomycin, racomomycin, genes, Streptomyces 1314.
antigens, gene expression, neutralization, vaccines production, herpes simplex virus 6610.

antigens genes, vaccines production, genetic engineering, viruses 5807.

Bacillus anthracis, toxins, protection antigens, genes 1083.

DNA sequence, Glycine soja, effects on root hairs, effects on nodulation,
Bradyrhizobium japonicum, Pseudomonas putida 6365.
gene expression, β-interferon, Escherichia coli, antiviral activity,
characterization, man 2228.
genes, β-D-palactosidase production, Streptomyces 4039.
genes, antigens, vaccines production, rotavirus 6643.
genes, go-palactosidase production, rotavirus 6643.
genes, avoi 1-4-α-D-glucosidase, Aspergillus awamori, cellulase, Trichoderma
reesei 3498.

cenes, xviose isomerase, xviulokinase, Escherichia coli use, ethanol genes, xylose isomerase, xylulokinase, Escherichia coli, use, ethanol, fermentation 983. hemagglutinins, production, vaccines, influenza virus 6598 hemagglutinins, production, vaccines, influenza virus 6598. isoleucine-valine operon, gene regulation, biosynthesis, 2,3-butanedione, 2,3-pentanedione, flavor compounds, beer, Saccharomyces cerevisiae Lactobacillus delbrueckii, malic acid, lactic acid, genes, Escherichia coli, Saccharomyces cerevisiae, role, wine, fermentation 2881. lactose genes, role, Streptococcus lactis, fermentation, milk 2739. neuraminidase, production, vaccines, influenza virus 6598. yeasts cytochrome c genes, Escherichia coli transformation 819. Cloning vectors, antibiotics production, Streptomyces 4845. books 842.

DNA recombination, enzymes bistechnology 4297. DNA recombination, enzymes biotechnology 4297.

Escherichia coli, vaccines production, capsid protein expression, poliovirus 1 gene expression, mice a-amylase biosynthesis, Saccharomyces cerevisiae 5169, hemagglutinins expression, immunogenicity, antigenicity, vaccines production, influenza wirus 6836. hepatitis B surface antigen gene expression, yeasts, hepatitis B virus vaccines beauty to the controlled of 681. Insusorari 6631. hepatitis B surface antigen, vaccines, hepatitis B virus 6597. linear plasmids, construction, yeasts 818. methodology, Saccharomyces cerevisiae, genetic engineering, production, drugs 7775. production 6631. 7775.

7775.

phage A 627.
phage M13 626.
plasmids, gene expression 3403.
plasmids, phages, DNA integration methodology 628.
plasmids, phages, DNA integration methodology 628.
preparation, lerementers, phages, Rhizobium meliloti 4997.
transformation, Escherichia coli, tetrahydrofolate dehydrogenase, purification,
plasmid pT β 6-10 99.
transformation, lactose lac gene, Streptococcus lactis 6991.
transposon γδ containing, transposition 758.
use papilloma virus (bovine), marmafilian cells transfection 629.
Clostridium,
antibacterial activity, bicyclomycin 3164.

notrorium, antibacterial activity, bicyclomycin 3164. antibiotic RU 28965, antibacterial activity 4878. antimicrobial agents antibacterial activity, agar dilution test, animal isolates

cellulose fermentation, production, ethanol, n-butanol, acetic acid, n-butyric

Clostridium, (continued)
population levels, wetwood, Populus euramericana 8953.
rRNA, comparison methodology 2513.
soil, Trinidad, Tobago 6359.
spore germination, inactivation, acids, food, reviews 7026.
spores, resistance, chlorine, disinfection, food industry 6413.
tetrapyrroles biosynthesis 5210.
Clostridium absonum,
7α-hydroxysteriod dehydrogenase, 7β-hydroxysteriod dehydrogenase,
purification, characterization, induction, chenodeoxycholic acid, deoxycholic
acid 4305. acid 4305.

Clostridium acetobutylicum, nactoons, ferendeexycronic acid, deoxycronic acid, deoxycronic acid, deoxycronic acid, deoxycronic acid, acetone butanol fermentation, inhibition levels 962. acetone butanol production to 422.

acetone production, butanol production 5237.

anaerobic conditions, cell culture 5919. batch culture, glucose effects on fermentation, glucose, acetone 3545. batch culture, glucose fermentation, production, acetone, butanol 4383. bioractors, production, butanol, acetone 5244. butanol fermentation, hydrogenase activity, carbon monoxide inhibition 8646. butanol production, effects on membrane fluidity, lipid composition 1847. cellulose fermentation 5111. cellulose fermentation 5111.
enzymes levels, biosynthesis, acetic acid, butyric acid, acetone, butanol 859.
enzymes netabolism, production, butyric acid, acetina cid 5113.
fermentation, production, acetone, butanol 140.
fermentation, wood hydrolysates, 2,3-butanediol, butanol, production 5220.
immobilized cells, solvents production, reviews 3575.
methanol production, termenters, carbon dioxide utilization 3558.
polysaccharides, extracellular polymers, antitumor activity, sarcoma, mice 3540.
production, acetone, butanol, ethanol, mathematical models 976.
production, neatione, butanol, ethanol, mathematical models 976.
production, relationship, production, acetone, butanol, ethanol 7784.
whey conversion, production, acetone, butanol, ethanol 7784.
whey formentation production, butanol, acetone 3466.
Clostridium acidlurici,
formylietrarhydrolotale synthesae, antigenic characteristics, cross-reactivity,
structure, tetrahydrolotate synthesae, yeasts 8590.
Clostridium botulinum,
botulism, tood poisoning, seatood 4486. Sostridium botulinum, botulism, tood poisoning, seatood 4486. growth, inibition, sodium nitrite, potassium sorbate, lactic acid bacteria, starfer cultures, packaging, luncheon meat 7023. growth, politibion, sodium nitrite, potassium sorbate, starfer cultures, packaging, luncheon meat 7023. growth, poki, sturries, nisin, effects on 1924. growth, toxins production, inhibition, sodium nitrite, +potassium sorbate, +sodium acid prophosphate, trankfurters 7021. hemagglutinins, purification, characterization assistance in the production of the productio toxins production, bacon contamination, radiation effects on 7039. toxins, vegetables, canned food 3719, vegetative cells, nitrite effects on iron-sulfur centers 6203.

Clostridium botulinum type E, toxins production, steam pasteurization, freezing, seafood, Crassostrea virginica toxins production, steam pasteurization, freezing, seafood, Crassostrea virginica 5364.

Clostridium butyricum, anaerobic conditions, cell culture 5919, immobilized cells, hydrogen production, molasses conversion 3577, immobilized cells, hydrogen production, wastewater treatment 1468, immobilized cells, solvents production, wastewater treatment 1468, immobilized cells, solvents production, eviews 3575. inoculum, solvents, production, methodology 684, polysaccharides, extracellular polymers, anitiumor activity, sarcoma, mice 3540, pulp mills, industrial effluents, digestion (anaerobic) 3204.

Clostridium cochlearium, glucose fermentation, 1-butanol production 8648.

Clostridium difficile, antibacterial activity, oprofloxacin 4744, antisera, adsorption, bioassays, detection, toxins 5382, collisio cultrasis, hospitals, biotyng methodology, man 1641, collisional solution and solution selection, focas, fluorescent artibody test, methodology 5210, detection, focas, fluorescent artibody test, methodology 2510, detection, methodology, clarrhea, man 5921, identification, poss, fluorescent artibody test, methodology 2510, detection, methodology, clarrhea, man 5921, identification, toxins, detection, media (sioalition) 229, media (enrichment), isolation, fecas 8469, plasmids, correlation, antibiotic sensitivity testing, toxigenicity 1372, recovery, surfaces, media (culture) 1592, spores, fecas, media (sioalian), sodium taurocholate 688, toxins antibodies, detection, renzyme-linked immunosorbent assay 230, toxins, detection, media (sioalian), sodium taurocholate 688, toxins detection, media properties, biological propertes 7111, toxins, purification, production 4484.

Clostridium histolyticum, collagenase, inhibition, phosphonic amides, phosphoric amides 25, proteolytic enzymes role, hepatocytes release, rats liver 2573.

Clostridium histolyticum, esteurianum, and collagenase, unification, characterization 6859. biosynthesis, corrinoids, tetrapyrroles, cyanocobalamin like compounds 7779. butanol production, glucose fermentation 5236 acrohydrates fermentation, solvents production, wood, pulp mills 5259. cellulase, production, activity, reviews 100. cellulase, production, activity, reviews 100. acid 6150.
drug sensitivity testing, inoculum preparations 1334.
fermentation, thermodynamics, mathematical models 3549.
gas chromatography, detection, hippuric acid, fumaric acid, conversion, succinic acid, methodology 794.
genetic engineering, gene transfer, fermentation, reviews 3593.
growth, cyclohexone reduction 1881.
β-nitroacrylate reductase, purification, characterization, E.S.R. 3448.
4-Pasteurella haemolytica, vaccines, sheep, efficacy, experimental infection, gnotobiorics (specific pathogen free) 7488.
pl. inoculation, effects on, ciprofloxacin, antibacterial activity 4733.
phenylacetic acid biosymhesis 855.

1753.

Clostridium pasteurianum,
formate dehydrogenase, purification, characterization 6859.
hydrogenase, +chloroplasts+ferredoxin, immobilization, production, hydrogen, oxygen 5161.
hydrogenase, purification, characterization 6839.

Cloatridium pasteurianum, (continued)
hydrogenase, purification, characterization 7731,
nitrogenase, kinetics 19.
Cloatridium pertinofermentane,
pectinolytic enzymes, activity, temperature, pH effects on 7737,
pectinolytic enzymes characterization 4348.
Cloatridium pertringene,
antibacterial activity, celipiramide, apalcillin 3101;
antibacterial activity, efrotomycin, food additives, chickens 1065,
antibiotic resistance, tetracycline, relationship, bacteriocinogeny 4707,
drug sensitivity testing 3085.
enterotoxins, antisera preparation methodology 1959.
hypochlorous acid, chlorine dioxide, antibacterial activity, models, In vitro
8721.
indicator species, pollution monitoring, water quality, rivers 5856. Clubroot, (continued) Brassica 8912.
Plasmodiophora brassicae, disease resistance inheritance, Brassica napus, Brassica oleracea 300.
Plasmodiophora brassicae, disease resistance, plant breeding, germplasm, Brass Plasmodiophoria drassicae, linesas resistance, plant breeding, general and campestis 8065. Since the plant street and plant s Coagulants, bromelain, soybean milk curd, fermentation, Penicillium caseicolum 7852. bromelain, soybean milk curd, fermentation, Penicillium caseicolum 7852.

Cosgulase, activity, identification methods, Staphylococcus 2493.

analysis, Staphylococcus aureus, mastifis isolates, cattle 231.

assays, identification, clinical isolates, Staphylococcus aureus 2502.

association, identication, biochemical characteristics, Staphylococcus, methodology 787.

biosynthesis, release, Staphylococcus aureus 4339.

thermal stability, Staphylococcus aureus 8565.

Cosgulase test, comparison agglutination, Staphylococcus aureus, differential diagnosis 7586. detection, Staphylococcus 730. hypocharious acut, chloring dioute, anibacterial acutyly, incodes, if vitol 8721.

Indicator species, pollution monitoring, water quality, rivers 5855. metronidazole bioassaya, agar diffusion test 7365.

spores, spatial distribution, sediments, indicator species, sewage, sediments, lakes 208.

lakes 208.

Indicator species, and several services and several services and several several services. Several services are transfer, characterization 3013.

e-toxin, toxicity testing, chick embryos 8736.

toxins biosynthesis, growth rate 1951.

Clostridium saccharolyticum, ethanol production 152.

Zymomonas anaerobia, mixed culture, ethanol production, fermentation, cellobiose, glucose, xylose, mixtures 8661.

Clostridium saccharoperbutylacetonicum, cell walls, peptidoglycans, Bacillus subtilis, lytic enzymes, enzymatic activity 5994. Coei, bioreactors, digestion (anaerobic), wastewater treatment 4109. industrial effluents, wastewater treatment, aeration 4902. methane oxidation, immobilized cells, Methylmonas rubra 1300. mines, industrial wastes, as amendment, land reclamation, revegetation, suffur leaching, Thiobacillus 3976. sulfur leaching, Thiobacillus 4976. sulfur removal, mathematical models, Thiobacillus ferrooxidans 3974. sulfur removal, mathematical models, Thiobacillus ferrooxidans 5694. Wastewater treatment 5843. Coastal environments, dunes, sand, soil, sulfur oxidation, acidity, soil microorganisms 8968. Coastal waters, cellulolytic microorganisms. S94. Colostridium aptroforme, enterotaxinos de la coloridad polyacoractivites, extracellular polymers, antitumor activity, sarcoma, mice 3540. Colostridium aptroforme, enterotoxins, punification, characterization, toxicity testing 4481. Clostridium aporogenes, ATP biosynthesis, enoic acid reduction 1842. heat resistance, heat shock 7341. spores, media (culture) 4207. spores, media (culture) 4207. spores, spores, volk, agar, media (culture), enumeration, methodology 674. survival, oil samples 9040. Clostridium stercorarium, cellulose characterization, cellulose hydrolysis 1738. Clostridium tetani, antibodies, enzyme-linked immunosorbent assay methodology, man 780. antibodies, enzyme-linked immunosorbent assay, neutralization, serum, man 4488. coastal waters, cellulolytic microorganisms, ecological distribution, relationship wood decay 8196.

Chamelea gallina bioaccumulation, microbial pollution, coliforms 4128. fungi, industrial effluents, lignin, pulp mills, waste water 1455. marine pollution, Californis, pollution monitoring, mathematical models 3210. microbial pollution, coliforns, pollution monitoring, mathematical models 3210. microbial pollution, indicator species, seasonal variations 6708. microbial pollution, indicator species, seasonal variations 6708. pollution monitoring, microbial pollution, indicator species, bacteria 2400. Pseudomonas aeruginosa, Vibrio cholerae, chemotaxis, distilleries, effluents 5/Vibro cholerae enumeration, seasonal variations, USA, California 6715. Coat protein, tobacco mosaic virus, mRNA characterization, Nicotiana tabacum mesophyll antitioxins, hemagglutination, enzyme-linked immunosorbent assay, neutralization 5383.

neurotoxins multiple forms, purification, characterization, affinity chromatography, chromatofocusing 7908.

toxins, production, femmenters, association vaccines 2321.

toxins, purification, characterization 7907.

toxinis, adjuvants, Corynebacterium diphtheniae synthetic peptides, antigenicity, vaccines, mice 6656.

toxidis, adjuvants, Corynebacterium diphtheniae synthetic peptides, antigenicity, vaccines, mice 6656.

toxidis, conjugate, combined vaccines, synthetic peptides, Corynebacterium diphtheniae toxins, Streptococcus, hepatitis B surface antigen, antibody response, mice 9219.

toxoids, conjugation Neisseria meningtidis lipopolysaccharides, antibody response, vaccines, rabbits 1453.

toxoids, conjugation Neisseria meningtidis lipopolysaccharides, antibody response, vaccines, rabbits 1453.

toxoids immunogenicity, correlation purification methodology 4891.

glucose fermentation, 1-butanol production 8648.

Clostridium tetanomorphum, glucose fermentation, 1-butanol production 4270.

metabolism, carbon monoxide, carbon dioxide, methanol, fuels production 5312.

Clostridium thermocalitum,

+ Acetogenium kivui mixed culture, cellulose fermentation 8671.

cell surface organelles, cellulose binding, cellulosity enzymes 5162.

cellulose fermentation, production, acetic acid, ethanol 5969.

cellulose floring factors, cellulase 931.

fermentation, cellulose, association, nutrient concentrations, batch culture 4443.

fermentation, lignocelluloses, ethanol, production 4418. antitoxins, hemagglutination, enzyme-linked immunosorbent assay, neutralization protoplasts 286 Coatings, silicone, glass containers, Penicillium cyclopium shake culture, effects on adherence 835. Cobalt. Cobalt, biomass levels, nutrient cycles, soil microorganisms 6347. Klebsiella aerogenes capsules polymers binding, activated sludge 6679. Cobaltous suifide, leaching, role, iron(III). Thiobacillus ferrooxidans 903.0. Coccidiodies immitis, antibodies detection methodology, complement fixation, immunodiffusion 1674. antibodies, quantitation, complement fixation comparison immunodiffusion 815. antipoens extracts, disinfection, thimerosal, formaldehyde, clinical microbiology 810. 1-(4-chlorophenoxy)-3,3-dimethyl-2-(1,2,4,-triazole-1-yl)methylbutan-2-ol, 1-(4-chlorophenoxy)-1-(1-imidazoly)-3,3-dimethyl-2-butanol hydrochloride, antitingal activity 4756. cyclosporin A antitingal activity 1339. Coccidiostats, Coccidiostats,
Streptomyces auranticolor, biosynthesis, structure, new records 2299.
Coccomyces hiemalls,
leafspot, Prunus, disease control, fungicides, new records 339.
Cochilobolus carbonum,
DNA, isolation methodology, organelles, plasmids 3385.
races, virulence, genetic variance, recombination, black rot, Zea mays, USA,
North Carolina 7962.
Cochilobolus heterostrophus,
Albi gene, Cyhl gene, mat gene, relationship, leaf blight, epidemics, Zea mays
3805. fermentation, lignocelluloses, ethanol, production 4418. lignocelluloses, proteins levels, Lowry assay 4424.

Clostridium thermohydrosulfuricum,
ethanol tolerance, factor affecting fermentation physiology 6135. Soc. Syn gene, mar gene, relationship, sear bright, perentics, 26a may 3965.

auxotrophs, population studies, leaf blight, Zea mays 1981.

DNA, isolation methodology, organelles, plasmids 3365.

Cochliobolus myabeanus, fibrinolysis enzymes, production 3465.

Cochliobolus myabeanus, conidia, lysis, Myxobacterales, soil microorganisms, biological control. plant diseases 8302.

Cochliobolus sativus, infection, Triticum aestivum, Aphididae, honeydew, enhancement 3806. overwintering, soil, sporulation, crop residues 5420. plant diseases, incidence, Elymus junceus 1134. root rot, Hordeum vulgare yield components 5428.

Cochliobolus victoriae, conidia, virulence, soil, plant diseases 1090. phytotoxins production, liquid culture 8743.

Cocoe, fermentation, ethanol, production 4418.

Clostridium thermosaccharolyticum, continuous culture, fermentation, production, butanol, ethanol 3578. fermentation, lignocelluloses, ethanol, production 4418.

Clostridium tyroburytrcum, gas production, temperature effects on, cheese production 4462.

Clostriacheses, nitrater-chloric acid effects on 7842.

Ciotrimazole,
antibiodics, antifungal activity, relative inhibition factors measurements,
dose-response effects 4017.
antifungal activity, inhibition, ergosterol biosynthesis, yeasts, dermatophyte
fungl 8314,
drug sensitivity testing, Candida 5735.
susceptibility methodology, dermatophyte fungl 1336.
Clover yellow veln virus,
infection, Phaseolus vulgaris disease resistance, inoculation methodology effects
infection, Phaseolus vulgaris diseases resistance. Cocoa, crop residues, cellulose hydrolysis, cellulase, Trichoderma reesei 8678. fermentation 5323. fermentation, microorganisms, biochemical analysis 7848. Cocoa beans, biodeterioration association, Penicillium steckii, cell walls degradation enzymes 2823. infection, Phaseolus vulgaris, pathogenesis 6226. infection, Trifolium, host range, field trials 1113. infection, Trifolium hybridum germplasm 1112. Cocoa swollen shoot virus, purification, detection, methodology 2437. nuoroot, Brassica oleracea var.capitata, role, Plasmodiophora brassicae, detection, irrigation systems sediments 3820. Plasmodiophora brassicae, antifungal agents, disease control, disease resistance, Coconut, spoilage, xerophilic fungi 5344.

Clubroot,

Coconuts, fibers, Basidiomycetes biodegradation, Ascomycetes, Deuteromycetes, effects on products, aflatoxins, food contamination, incidence, India 7894.

plant breeding, Ficus carica, host-pathogen interactions, phytopathogenic fungi 2869. 269.

Cocce nuclifera,
agricultural wastes, +cattle animal wastes, methane production 1487.
bbers, retting, Aspergilius niger 7792.
leaves, detection, cadang-cadang disease viroid 3824.
manans, Hydrolysis, 8-D-mannosidase, actinomycetes 8604.
roots, Phytophthora palmivora infection 5445.
Coelomomyces psorophorae,
pathogens, host range, use biological control, Culicidae 4395.
Coelomycdium simulii,
Simulium ornatum biological control, protein composition, phosphatase activity
2646.

2646.

2646.
Coenzyme F420,
Methanobacterium thermoautotrophicum, assays, association, photobleaching, fluorescence decay 6819.
Coenzyme M, biosynthesis, methanogenic bacteria, formic acid metabolism 6825.
Coenzyme M, 5,10-methenyl-5,6,7,8-tetrahydromethanopterin, methanogenesis, Methanobacterium thermoautotrophicum 4282.

rytoplasm, Methanobacterium thermoautotrophicum methanogenesis, membrane vesicles 9035. Cofectors.

Coffee, disease resistance characterization, Hemileia vastatrix leaf rust 306, Hemileia vastatrix rust, Verticillium psallictae hyperparasitism, Malaysia 1204 leaf rust, Hemelia vastatrix, disease control, cuprous oxide, cupric hydroxide 8123 plant breeding, disease resistance, host-pathogen interactions, phytopathogenic

fungi 2869. rust, Hemileia vastatrix, disease spread, Western Hemisphere 2798.

se control, captafol, Pseudomonas syringae 4590. Col

blight, disease control, capitafol, Pseudomonas syringae 4590.

20ffes a rabics,
colls, defects, Rhizoctonia solani, induction 8821.
colls, defects, Rhizoctonia solani, induction 8821.
coffee berry disease, disease control, fungicides, Colletotrichum coffeanum 5517.
disease resistance variation, Hemileia vastatrix leaf rust 304.
flood processing wastes, methanogenesis, bioreactors 7515.
Hemileia vastatrix infection, development, sori, halli 7185.
Jeant breeding, disease resistance, Ethiopia, coffee berry disease,
Colletotrichum coffeanum 2873.
plant breeding, disease resistance, genotype-environment interactions,
host-pathogen interactions, leaf rust, Hemileia vastatrix 2872.
plant breeding, Hemileia vastatrix in std isease resistance 6289.
plantations, eyespot, anthracnose, Cercospora coffeicola, shading, rainfall,
seasonal variations 273.
plantations, leaf litter decomposition, nutrient cycles, soil microorganisms
5624.

5624 plantations, roots colonization, population levels, vesicular-arbuscular

mycorrhizas 5626.

Coffee canephora,
disease resistance characterization, Hemileia vastatrix leaf rust 305. plant breeding, disease resistance, genotype-environment inter-host-pathogen interactions, leaf rust, Hemileia vastatrix 2872.

Coffee, fermentation, microorganisms 5324.

Coffee berry disease,
Coffee arabica, disease control, fungicides, Colletotrichum coffeanum 5517.
Colletotrichum coffeanum, disease resistance, plant breeding, Ethiopia, Coffea arabica 2873 Cold

adaptations, live vaccines, attenuation, recombinants, influenza A virus 7484 adaptations, live vaccines, recombinants, attenuation, influenza A virus 7482 climatic conditions, soil microorganisms, nitrification, soil, Greece 6358. growth, relationship fatty acid composition, Propionibacterium, dairy starters

temperature-sensitive mutant, Propionibacterium dairy starters, mutagenesis, N-nitroso-N-methyl-N'-nitroguanidine 2729.

Cold storage,
Conferales seedlings, mycorrhizas, ethylene, fungicides, effects on survival
5581.

sosti.
isolation, gram-negative bacteria, psychrophilic bacteria, Melanogrammus
aeglefinus 8703.
milk, coliforms, spoilage 1912.
milk, pasteurization, spoilage, bacteria 1910.
prevention, Cylindrocladium heptaseptatum, Cylindrocladium pteridis, post-harvest
decay, Rumohra adiantiformis 8128.

proteinase, extracellular enzymes, effects on recovery, Aeromonas hydrophila

7762.

Phizobirum inoculum, bagasse, soil, carriers, yield, Vigna unguiculata 2982.
seedings, Basidiomycates infection, Picea abies 8175.

Coleoptera,

biological control, Bacillus thuringiensis subsp.tenebrionis 3569.

Collegible, Puccinia coronata infection, urediniospores production, Avena sativa 2791.
Collbecillosis,
Locate and bacteria antagonism intestinal microflora, chickens 1 vention, lactic acid bacteria antagonism intestinal microflora, chickens 1064. Colicin B

Escherichia coli, structure 3129. Colicin E8,

isolation, characterization, Escherichia coli 3159.

isolation, characterization, Escherichia coli 3159.

Escherichia coli, antibacterial activity, inhibition murein biosyntheses 7456.

Collein M,
biosynthesis, genetic analysis, Escherichia coli plasmid ColN 4802.

biosynthesis, genetic analysis, Escherichia coli plasmid ColN 4802. Colleth typing, identification, Shigella sonnei clinical isolates 7612.

Colicins,

production, Escherichia coli 4706.

Coliforms, airborne bacteria, abattoirs 1504

iriborne bacteria, abattoirs 1504.
animal isotates, antibiotic resistance, chlorletracycline, relationship feeds additives, pigs 8230.
antibiote resistance, unival, lagoons, wastewater treatment 1482. concentrations, reservoirs, British Isles, medels analysis 2401. contamination, feeds, slurness sheep (1000) contamination, post, slurness sheep (1000) contamination, polity carcasses, meal industry 1051. contamination, polity carcasses, meal industry 1051. contamination, polity reacasses, meal industry 1051. contamination, polity meal products 1049. distribution for the products 1049. distribution for the products 1049. Industry 1051. contamination, polity meal products 1049. inhibition, growth 8417. electrical impedance, enumeration 6761. enumeration methodology. U.V. radiation disinfection, waste water 9263. enumeration, most probable number methodology, lakes sediments 9319. It actors, antibiotic resistance, dogs isolates 3010. food contamination, minced meal 203. growth, cheese, nitrate+chloric acid effects on 7842. growth, storage, eggs 6969.

growth, storage, eggs 6969. indicator species, identification, incidence, water temperature relationship,

lakes 557: Indicator species, inactivation, waste water, marine environment 1499. Indicator species, inactivation, waste water, marine environment 1499. Indicator species, incidences, water resources, trag 2407. Indicator species, microbial pollution, drainage, water quality, soil amendment, manure, crop fields 6709. indicator species, sewage sludge, ocean dumping, marine pollution 2389, estinal microflora, inhibition, Lactobacillus oral administration, chickens

on, pigs, antibiotic resistance, association, chlortetracycline, treatment

3033 media (selective) 9300

media (selective) 9300.
media (selective), gelatin 1901.
membrane filtration, drinking water, bacteria interference 2391.
membrane filtration, indicator species, microbial pollution, drinking water 8421.
microbial pollution, bioiaccumulation, Chamelea gallina, coestal waters 4128.
microbial pollution, chloriation, swimming pools 587.
microbial pollution, pollution monitoring, indicator species, spatial
distribution, seasonal variations, lakes, USA 8419.
microbial pollution, pollution monitoring, mathematical models, estuaries,
coastal waters 3210.
monitoring methodology, waste water 9257.
monitoring methodology, waste water 9258.

monitoring methodology, waste water 9258. phages, indicator species, water quality, water pollution, sewage treatment 4943. radiation disinfection, fishery products, feeds 5359.

γ radiation disinfection, sewage sludge 5823, recovery, drinking water, membrane filtration, most probable number 6714. spoliage, cold storage, pasteurzátion, lactoperoxidase, milk 1912. spoliage, cold storage, pasteurzátion, lactoperoxidase, milk 1912. spoliage, off flavor, organoleptic evaluation, sheff life, milk 4448. spoliage, vacuum packaging, nitrogen packaging, luncheon meat 8715. letracycline realistance, incidence, fleces, man, hybridization analysis 1316.

Colistin

Zolistin, + ampicillin interaction. Escherichia coli, ampicillin resistance 5772. Bacillus polymyxa, production, factors affecting 1424. bactericidal activity, ambibotic resistance, role plasma membranes, protoplasts, iposomes, Bacillus colistinus 9074. production, aeration effects on, Bacillus polymyxa 4880. production, feedback inhibition, Bacillus colistinus 4876. production, stimulation, aspartic acid, phosphate, Bacillus polymyxa 3148.

Colitis Clostridium difficile, outbreaks, hospitals, biotyping methodology, man 1641.

Colladonus montanus, disease transmission vectors, Spiroplasma citri, isolation, yellows, X-disease 8021

Collagenase

Collegientase, Clostridium histolyticum, inhibition, phosphonic amides, phosphoric amides 25. Mycoplasma orale, purification, comparison mammalian cells 36. Colletta cruciata, actinormizas, Frankia, ultrastructure, nitrogenase, nitrogen fixation 2969.

Colletorrichum, leafspot, Discocrea alata, factors affecting yield 4588. Thiophene derivatives antifungal activity, protoxinduction 3060. Colletotrichum capalci, boli rot, Gossypium hirsutum, histopathology 5453. mancozeb - curzate antifungual activity 2085.

mancozen-curzate antifungual activity zues.
Colletotrichum coccodes, in vitro growth, plant cells monosaccharides 7125.
Colletotrichum coffeanum,
coffee berry disease, Coffea arabica, disease control, fungicides 5517.
coffee berry disease, disease resistance, plant breeding, Ethiopia, Coffea arabica 2873.
Colletotrichum corchorum,
disease resistance, X radiation, seed treatments, Corchorus capsularis 2905.

Colletotrichum dematlum, anthracnose, disease resistance, Lycopersicon esculentum, inheritance 2851.

anthracnose, disease resistance, Lycopersicon esculentum, inheritance 2851. Colletortichum fragariae, authracnose, susceptibility, Lupinus angustifolius 2784. Colletortichum gloeosportoides, anthracnose, pathology, Stylosanthes capitata 7932. infection, antifungal compounds, ripening, fruits, Persea americana 2000. latent infection, Persea grattisima fruits, nutrients substrates effects on 7987. polygalacturonase inhibition, fungicides role 1224. post-harvest decay, disease control, immersion+captafol, blueberries 3851. rot, Vitis rotundifolia, pathogenesis, disease control 8006. Colletortichum gloeosporioides f.ap.aeschynomene, spores production, fermenters, weed control, biological control, Aeschynomene virginica, 3895.

ca 3895

Colletotrichum gloeosporioides f.sp. jussiaeae, spores production, fermenters, weed control, biological control, Asschynomene

spores production, remembers, were contact, analogical control, Astrogrand 399.

Colletotrichum gloeosportoldes ver.minor, anthracnose, Mangifera indica, epidemiology 7159.

Colletotrichum graminicola, anthracnose, Poa annua ver.reptans, epidemiology, weather 5429.

anthracnose, Poa annua ver.reptans, epidemiology, weather 5429.

Complement, anti, immunofluorescence, use, detection, varicella-zoster virus antibodies, Colletotrichum lagenarium, anthracnose, disease resistance, plant breeding, cultivars, Citrullus lanatus Colletorichum lagenarum, anthracose, elioades resistance, plant breeding, cultivars, Citrullus lanatus 8905 anthracose, epidemiology, Lagenaria siceraria, India 8830.

Colletotrichum lindemuthianum, anthracose, Phaseolus vulgaris, pathogenicity 1122. host-pathogen interactions, organelles, Phaseolus vulgaris 7142. pecin lyase production 5185. sopores, cell adhesion, Phaseolus vulgaris, hypocotyls 3796.

Colletotrichum matvarum, spores production, fermenters, weed control, biological control, Aeschynomene virginica 3995.

Colletotrichum aublineolum, anthracose, Ztzania aquatica 1135.

Colletotrichum trifoli, anthracose, Ztzania aquatica 1135.

Colletotrichum serum, man 1566. serum, man 1996. antibacterial activity, susuceptibility, stimulation, polymyxins derivatives binding outer membranes, gram-negative bacteria 4803, bactericidal activity, Escherichia coli outer membranes, polymyxin B derivatives antibacterial activity 5784. bactericidal activity, Escherichia coli outer membranes, polymyxin B derivatives antibacterial activity 75784.

Complement fixation, assays, influenza virus antibodies 3235. assays, use, Pseudomonas aeruginosa capsules antigens 2467. Brucella abortus vaccination, tests comparison, hemolysis, cattle 1582. Coccidioides immitis antibodies detection methodology 1674. Coccidioides immitis antibodies detection methodology 1674. Coccidioides immitis antibodies of the secondary of the Compositae, bidens mottle virus infection susceptibility 3825. composting,
actinomycetes, aerobic bacteria, cellulolytic bacteria, sewage sludge, crop
residues, Oryza sativa 7432.
aeration, sewage sludge 5832.
aeration, sewage sludge 5832.
aeration, sewage sludge 5832.
aeration, sewage sludge 5832.
aerobic conditions, animal control of the sewage sludge of the same sludge sludge control of the same sludge sludge of the same sludge s Colonization, bacteria, carbon (activated) granules, drinking water treatment 553. factors, antigens, Escherichia coil, hemaggiultantion, clinical microbiology 701. surfaces, continuous culture, mathematical models, Pseudomonas aeruginosa 5059. Colony-forming cells, Paracoccidioides brasillensis viability determination methodology 2535. Color;
compounds, production, food industry, enzymes, microorganisms 200. removal, melanoidin, enzymes, intracellular levels, Coriolus 3471.

Colorimetry, alcohols, applications, Hansenula polymorpha alcohol oxidase, preparation 3446. bacteria siderophores assays, methodology, in vitro 661. cephalosporins, clinical isolates, Briactamase production 487. methodology, biomass, Bordetella pertussis 9323. methodology, glutaminase activity measurements, soil 8212. methodology, molds detection, food processing 6185.

Colosynthis vulgaris, hizosphere, bacteria population levels 7264.

Colpoma querchum, Quercus robur branches 7218. Brazil 9237.
crop residues, disease control, phytopathogenic fungi 2842.
food processing industrial wastes, thermophilic fungi survival 4114.
industrial wastes 5838.
industrial wastes, paper mills 5836.
industrial wastes, paper mills 5836.
industrial wastes, textile industry, wool 5837.
inoculation, Azotobacter, Aspergillus awamori, phosphate-dissolving bacteria inoculation, Azotobacter, Aspergillus awamori, phosphate-dissolving bacteria 8391.

organic matter, rhizosphere microorganisms, effects on Sorghum vulgare roots, soils (sandy), clays 2121.

phosphate, phosphate-dissolving bacteria 6343, sewage sludge 5833, sewage sludge 5834.

sewage sludge, aeration, bulking agents, tires 4082.

sewage sludge, aperation, sulfix furnigatus air spora recovery 3213.

sewage sludge, Aspergillus furnigatus air spora recovery 3213.

sewage sludge, microorganisms, succession, temperature, effects on 5819.

sewage sludge, microorganisms, succession, temperature, effects on 5819.

sewage sludge, microorganisms, succession, temperature, effects on 5819.

sewage sludge, pathogens inactivation 5839.

sewage sludge, pathogens inactivation 5839.

sewage sludge, ponds, nutrient sources, phytoplankton 6689.

sewage sludge, solid wastes 3199.

sewage sludge, solid wastes, developing countries 5835,

sewage sludge, operation sites, USA, Vermont 4922.

solid wastes, nutrient sources, phytoplankton 6689

temperature, aeration, agricultural wastes, industrial wastes, wool 4100.

temperature, evaporation, oxygenation, ventilation 4085,

waste treatment, Japan, biotechnology 4923.

Zompoats, 8391 Column, aeration, sewage treatment, bacteria media (culture), oxygen adsorption rates 3291 Combined vaccines,
Combined vaccines,
Combined vaccines,
Conyebacterium diphtheriae toxoids, Haemophilus influenzae polysaccharides, Coryneosacerum alprinense (socials, riaemopinius imuenzae polysaccharioes, immunogeriichty, rabbits 6655. live, Mareks disease virus, infectious bursitis virus, herpesvirus (turkey), production, embryo fibrobilasts, chickens 7486. synthetic peptides, Corynebacterium diphtheriae toxins, Streptococcus, antibody response, mice 9219. Combustion, sewage sludge, pathogens, Salmonella, pollution control 2368.

Commelina communis, brome mosaic virus infection, pathology, Lema sexpunctata vectors 284.

Commelina diffusa, brome mosaic virus infection, pathology, Lema sexpunctata vectors 284.

Commercial species, research programs, biological control, weed control, microorganisms 3896.

Communication, role, airborne bacteria contamination, postoperative infection, operating theaters, man 4960.

Communities, bacteria, chiorophenol biodegradation 182.

Community composition,

bacteria, chlorophenol biodegradation 182.

Community composition,
rhizosphere microorganisms, mixed culture, Lolium perenne, Plantago lanceolata,
Trifolium repens 372.

Community structure,
bacteria, biomass, fatty acids analysis, Rhizophora sediments 8989.
bacteria, ground water 5817.

Compactin, hydroxylation, Absidia coerulea, Penicillium citrinum 519.

Rhizobium japonicum strains, Glycine max nodulation 408. Rhizobium japonicum strains, Glycine max nodulation 408. Rhizobium japoninosarum var.trifolii strains, inoculation, nodulation, Trifolium grepens 3962.

Rhizobium strains, Leucaena leucocephala nodulation, tropical environment soil

thermophilic microorganisms, starter cultures, composting, bark 4103. vesicular-arbuscular mycomhizas, symbiosis, Trifolium 3935.

Composts,

omposts, disease control, soil-borne diseases, Rhizoctonia, ornamental plants 6300. fermentation, culture, Basidiomycetes 8706. +fertilizer applications, inhilation vesicular-arbuscular mycorrhizas, yield, Zea mays 3948.

fungi, antagonists, damping-off suppression, Rhizoctonia solani, Raphanus sativi 290.

heat production, mathematical models, Basidiomycetes 4463.
isolation, Nocardiopsis identification 8198.
Lycoriella malt, biological control, Bacillus thuringiensis subsp.israelensis 6103.

ompetition, desidia coerulea, Penicillium citrinum 519.

ompetition, production Absidia coerulea, Penicillium citrinum 519.

ompetition, ectorwycorrhizas, inoculum potential, roots colonization, trees 5563.
endomycorrhizas, roots colonization, inoculation, plants 5568.
endomycorrhizas, roots colonization, inoculation, plants 5568.
nodulation, Rhizobium leguminosarum, Rhizobium japonicum, Pisum satirum, Glycine max 2967.
Pseudoperonospora cubensis strains, metalaxyl resistance, downy mildew, Cucuris sativus 341.
Phizobium leguminosarum kinicolation, nodulation 408.
Rhizobium leguminosarum var.trifolii strains, inoculation, nodulation, Trifolium repens 3962.

Computer applications, antibiotic sensitivity testing, photometry, bacteria 3076, automated methods, monitoring, fermentation 6116. AutoMicrobic test, Enterobacteriaceae identification 1645. bacteria enumeration, most probable number 4209

Computer applications, (continued)
bioreactors, dynamics 2426,
drug sensitivity testing, antimicrobial agents concentration 4006,
fermentation processes, microorganisms 2551,
gas chromatography, use, measuring techniques, ethanol production 160,
host-pathogen interactions models, plant diseases 3767,
information systems, clinical microbiology, bacteria analysis 6770,
mass spectroscopy, fermentation monitoring 170,
mathematical models, glocose nutrient deficiency, growth, Escherichia coli 4173,
mathematical models, growth, bacteria 4172,
mathematical models, growth, bacteria 4172,
mathematical models, monitoring, fermentation 6115,
monitoring, chlorobium thiosulfatophilum, hydrogen sulfide, carbon dioxide,
ritrogen, oxidation, bioreactors 8612,
monitoring, control, growth, Vibrio natriegens, Bacillus thuringiensis, cell
culture 3326,
monitoring, fermentation 6145. monitoring, fermentation 6145. monitoring, fermentation, biomass mea asurements, cellulose biodegradation. Sporocytophaga myxococoides 6165. monitoring, fermentation, yeasts 5966. monitoring, mathematical models, digestion (anaerobic), wastewater treatment monitoring, methanol addition, batch culture, fermentation, Pseudomonas 8633. monitoring, optimization, fermentation, single-cell protein production, Saccharomyces cerevisiae 5967. monitoring, optimization, fermentation, single-cell protein production, Saccharomyces cerevisiae 5967.

monitoring, oxygen consumption, carbon dioxide, fermentation, ethanol production, Saccharomyces cerevisiae 6140.

monitoring, Pekilo process, sulfite liquor fermentation, single-cell protein production, Paecilomyces varioti 5968.

monitoring, phenol inhibition, oxygen consumption, activated sludge 6703.

monitoring, sucrose fermentation, ethanol production, immobilized cells, Saccharomyces cerevisiae 6143.

most probable number, indicator species, calculators 6731.

noise filters, ethanol production, batch culture, growth, yeasts 3630.

Penicillium chrysogenum penicillin production 2269.

plant diseases, phytopathogenic fungl, disease spread, mathematical models 7127.

sensors, ethanol levels, fermentation 3635.

computer graphics.

X-ray crystallography, structure, β-lactam antibiotics 7462.

Computer programs, antiviral activity, herpes simplex virus 1 8323.

antiviral agents dosag, antiviral activity, herpes simplex virus 1 8323.

strateriology, clinical microbiotogy 2474.

cutture collections, bacteriae, plasmids, genetic markers 756.

Staphylococcus identification, gas chromatography 2498.

Sepharose, immobilization Aspergillus niger glucose oxidase+Saccharomyces cerevisiae β-D-Fructofturanosidase, activity, stability 1770. Conditional mutant,
Escherichia coli cell division, mecillinam effects on 3102. onfectionery, yeasts, spoilage, water activity, pH, temperature, potassium sorbate effects on Jeasts, spollage, water activity, pH, temperature, potassium sorbate effects on 8698.

2onferences, antibiotics functure, assays 847.

Ascochyta blight, Cloer aretinum 4247, bacteria, drug resistance, genetic control, books 3389.

biodeterioration, fungi, bacteria, books, 1697.

biotechnology, biochemical characteristics, cells 1696.

biotechnology, genetic engineering, microorganisms, books 8500.

biotechnology, genetic engineering, microorganisms, books 8500.

biotechnology processes, models 3394.

books, airborne microorganisms, disease transmission, plant diseases 6797.

books, biotogical control, fungi, Aphididae 5944.

books, biotogical control, fungi, Aphididae 5944.

books, biotogical control, weed control 4249.

books, biotechnology 3977.

books, biotechnology, processes, assessed as a special control, weed control functions, biotechnology, processes, biotechnology, processes, biotechnology, processes, biotechnology, processes, biotechnology, protoplasts 3399.

books, biotechnology, protoplasts 3399.

books, microorganisms genetic engineering, use, waste treatment, chemical pollution biodegradation 3392.

books, mycorthizas, Basidiomycetes, ecological distribution, Arctic, alpine environments 2546.

books, mycorthizas, Basidiomycetes, ecological distribution, Arctic, alpine environments 2546.

books, mycorthizas, Basidiomycetes, ecological fishibution, Arctic, alpine environments 2546. 7647.

books, nitrogen fixation, genetic engineering, nitrogen-fixing bacteria 3395.

books, plant breeding, disease resistance 3396.

books, plant viruses, fruit brees 3400.

books, protoplasts, biotechnology 5948.

books, single-cell protein production, fermentation, lignocelluloses, whey, nutritive value 2544. books, vaccines, genetic engineering, viruses 6800, brewing 1698. books, Yatchies, genetic engineering, whose observing 1698, brewing 1698, brewing 1698, continuous culture, microorganisms 1685, crown gal, disease control, biological control 848, disease resistance plant breeding, Africa 9349, disinfection, sewage situdege 2542, etcomycorrhizas, trees 5945, energy production, biomass, biotechnology 4248, energy production, biomass, biotechnology 4248, ethanol production, biotechnology, yeasts, bacteria 5947, ethanol production, biotechnology, yeasts, bacteria 5943, femmentation, biotechnology, greats, bacteria 5943, femmentation, biotechnology, 178, production, production, proceedings, production, proceedings, production, proceedings, production, actinorrhizas, Alnus 8499, Frankia, altirogen fixetion, actinorrhizas, Alnus 8409, Frankia, tirrogen fixetion, actinorrhizas, Alnus 6100, genetic engineering, biotechnology, brewing, fermentation 3390, spentic engineering, biotechnology, fermentation 4250, immobilized enzymes 850, industrial wastes, waste treatment 4244.

Conferences, (continued)
Insecta, biological control 846.
microorganisms, infection, seeds, pathology, books 3398.
moxalactam, antibacterial activity, infection treatment 5949.
mutagenicity testing, environmental factors, bacteria, phages, books 3388.
nitrogen-fixing bacteria, genetic engineering, plants, plant viruses 4243.
odors, actinomycetes, off flavor, water quality 3387.
phytopathogenic fungi iseases, India 2547.
phytotoxins, phytopathogenic fungi 9347.
plant diseases 7644.
plant diseases, 7644.
plant diseases, pateria, viruses, phytopathogenic fungi 9350.
plant diseases, crops, yield reduction, mathematical models 849.
plants genomes, structure-activity relationships, nitrogen fixation,
nitrogen-fixing bacteria, plant viruses, host-pathogen interactions 3391.
public health, environmental hygiene, disease control 1501.
public health, environmental hygiene, disease control 1501.
soil microorganisms, soil fertility 5946.
sterrilly, filtration, fermenters 9348.
waste disposal, environmental hygiene 2548.
wastewater treatment ct545.
wastewater treatment 2545.
wastewater treatment ct545.
wastewater reatment scholiuses, virulence, Versinia enterocolitica 749. Congo red, agar, measuring techniques, virulence, Yersinia enterocolitica 749. Congo virus, surfaces structure, electron microscopy staining, models 5004 Officia, Beatuveria bassiana, pathogenicity, relative humidity effects on, biological control, Blissus leucopterus 7766.

Beatuveria bassiana, subculture effects on pathogenicity, biological control, Galleria melionella 2656. Bipolaris victoriae, spore germination, soil fungistasis, role bacteria 8966 cellulase, β-D-glucosidase, purification, characterization, Termitomyces 6844 Cladosporium carpophilium, release, environmental factors, disease spread, scab Ciadosporium carpophilium, release, environmental factors, disease spread, scab 272.
Cochilobolus miyabeanus, lysis, Myxobacterales, soil microorganisms, biological control, plant diseases 8920.
Cochilobolus victoriae, virulence, soil, plant diseases 1090.
Evispihe pis, apore germiation, relabionship, direct light, comparison, Pisum Evispihe pis, apore germiation, elabionship, direct light, comparison, Pisum fungi, preparation, use, scanning electron microscopy 2532.
Fusanium latertitum, antagonism, biological control, Eutypa armeniacae wound infection, orchards, Prunus armenica 6307.
germination, Neurospora crassa, protein biosynthesis 3478.
Helminthosporium victoriae, spore germination, pure culture, comparison, soil fungistasis 2928.
Hirsutella thompsonii var.synnematosa, production, liquid culture, inoculum, biological control, Phyllocophruta oleviora 3363.
Monilinia fructicola, air spora, samplers, epidemiology 804.
Monilinia fructicola, spore germination, size, pathogenicity, temperature effects on, in vitro, in vivo, fruits, Prunus persica, Prunus persica nectarina 7992.
N-nitrosomethyl biuret mutagenesis, pencililim biosynthesis, Pencilillium chrysogenum 2288. Nomuraea rijely, pathogens, biological control, Trichoplusia ni 6900. overwintering, Claviceps purpurea infection, Poa annus 7175. Pernonspora hyoscyami, infectivity, overwintering, blue mold, Nicotiana tabacum 8817 501.7. Frysiphe graminis, f.sp.hordei, powdery mildew, Hordeum vulgare 7957. production, Heiminthosponium solani, media (culture), silver scurf, Solanum tuberosum 8491. production, neiminthosponum soiani, media (curure), silver scurt, Solanum tuberosum 8491.

Pyricularia oryzae, spore germination, inhibition, caffeic acid, superoxide, free radicals, role disease resistance, plant diseases 8889.

silver bioaccumulation, autoradiography. Botrytis cinerea 8484.

Sirococcus clavigignenti-juglandacearum, survival, airborne microorganisms, Juglans cinerea canker 1138.

sporangiospores, separation techniques, fungi, dextrans, polyethylene glycol, solutions, two-phase systems 8489.

spore germination, germ tubes formation, antifungal activity, Trichophyton mentagrophytes 5738.

spore germination, file cycle, Penicillium daleae, Penicillium bilaii, soil 8959.

spore germination, Worticillium lecanii, inhibition, carbaryl-i-iprodione, integrated control, Aphididae 2654.

Trichophyton mentagrophytes, imidazoles sensitivity 1340.

Verticillium albo-atrum, antigenic characteristics, relationship virulence, Humulus lupulus 2006. Conidiobolus, antifungal activity, amphotericin B, miconazole, ketoconazole, 5-fluorocytosine, potassium iodide 7380.

Conidiobolus obscurus, biological control, pathogenicity, field trials, Aphididae 5230. inoculum production, biological control, Aphididae 5231. Armillaria mellea root rot, susceptibility, relationship, soil nutrients, soil pH 2919. Coniferales 2919.

callus culture, disease resistance, Phaeolus schweinitzii infection 2826.

fungl plant diseases effects on growth, USSR 5603.

roots, Pisolithus tinctorius spores inoculation, seedlings survival 5607.

seedlings, ectomycorrhizas formation, high-altitude environments, mines 5547.

seedlings, mycorrhizas, cold storage, ethylene, fungicides, effects on survival 5581. 5581.

Conifery alcohol, fungi, biodegradation 190.

Coniochaeta nepalica, ascospores, seasonal variations, soil horizons, forest floor 5540.

Coniophora cerebella, brown rot, wood decay, Pinus 8947.

Coniophora puteans, biodefacingting, wood, fungicides, prophylexis 1252. biodeterioration, wood, fungicides, prophylaxis 1252. cell culture filtrates, tributyltin biodegradation 3648. Conjugation,
antibiotic resistance gene transfer, transposons, tetracycline, Streptococcus 6431 erythromycin, tetracycline antibiotic resistance genetic markers, plasmids

Conjugation, (continued)
deficiency, Streptococcus pyogenes 6426.
plasmids, antibiotic resistance, Klebsiella pneumoniae, Serratia marcescens 4716.
Streptococcus lactis plasmid pSN, sucrose fermentation, nisin biosynthesis 3146. fermentation, mixed culture growth condition 3633.

fermentation, production, butanol, ethanol, Clostridium thermosaccharolyticum 3578. fermentation, Saccharomyces cerevisiae, extraction, ethanol 7808. fermenters, ethanol, production, Saccharomyces cerevisiae 981. Gaeumannomyces graminis var.tritici, plant diseases, fautor affecting pathogenicity 1091. β-D-galactosidase production, Trichoderma reesei 8541. growth rate measuring techniques, Pseudomonas 1639. Kluyveromyces fragilis, inulinase, association, β-D-galactosidase, production 7745. Conjunctiva, cell culture, antiviral activity, interferon+antibodies, man 2227.

Contact lenses, contamination, Staphylococcus, corynebacterium, fungi, disinfectants solutions 5871.
Ingli contamination, eye, man 1527.
solutions, disinfectants, arithrongal activity 5870.
Contagious equine metritis,
Haemophilus equigenitalis isolation, incubation time, horses 7573.
Haemophilus equigenitalis, media (isolation), methodology 3307. haemophilus equigentialis, media (isolation), methodology 3307.

Containers, activogens contamination, nosocomial environments 1503. sputum, uberculosis, man, contamination, Mycobacterium tuberculosis 2417.

Contamination, allatowin B1, allergens extracts, fungi 3732. aflatoxins, food, bibliographies 5379. antimicrobial agents, preservatives, antimicrobial activity 9137. avian infectious bronchitis virus, vaccines, screening projects 6658. bacteria, cleaning systems, milk storage tanks 1505. bacteria, cured products, meat products, food processing 3708. bacteria, enimeration methodology, hemodialysis systems 1638. bacteria, pod processing, meat industry, food processing 3707. bacteria, hygiene, poultry, meat industry, food processing 3707. bacteria, measuring techniques, companison, methodology 7575. bacteria, measuring techniques, companison, methodology 7575. bacteria, meat, books 4242. bacteria, meat processing, poultry 2738. lipids biosynthesis, growth rate, cryptococcus albidus, Trichosporon pullulans methodology, microorganisms, ecological evaluation, laboratories, reviews 4974. microorganisms, conferences 1685. microorganisms, contamination, molasses, ethanol, production, immobilized cells, microorganisms, conferences 1885.
microorganisms, conferences 1885.
microorganisms, contamination, molasses, ethanol, production, immobilized or yeasts 7799.
mit formentation, yogurf, dairy starters, lactic acid bacteria 6997.
Nitrobacter growth, batch culture comparison, soil isolates 9016.
nits steniization, antibiotics production, fermenters 9154.
oxygen uptake effects on, Saccharomyces cerevisiae 4229.
oxytetracycline, production, Streptomyces rimosus 4956.
pectinolytic enzymes production, Aspergillus niger 8601.
pH levels, growth, Saccharomyces cerevisiae 5085.
Photobacterium phosphoreum, methodology 1607.
photosynthesis, energetics, phototrophic bacteria 3904.
Polyporus squamosus mycelium, growth rate 822.
polysaccharides, production, Alcailgenes faecalis 2629.
productivity comparison, batch culture, Candida brassi 5104.
Pseudomonas puidat, nicotine stereoisomers, preparation 132.
rumen microorganisms, fermentation, flugids dilution rates, pH 5295.
surfaces colonization, mathematical models, Pseudomonas aeruginosa 5059.
Trichoderms resesi, cellulase, production, characterization 101.
whey, lactose, fermentation, catabolite repression resistance mutants,
Saccharomyces cerevisiae 8668.
xylose isomerase production, Arthrobacter globiformis 6870.
zonversion, bacteria, measuring techniques, comparison, methodology 7575.
bacteria, meat, books 4242.
bacteria, meat processing, poultry 2738.
bacteria, meat reprocessing, poultry 2738.
bacteria, microbiology, meat, public health 4458.
bacteria, sare reprocessing, poultry 2738.
bacteria, sare processing, poultry 2738.
bacteria, surging, methodology, meat 3715.
bacteria, surging, methodology, meat 3715.
bacteria, swinming pools, association hair microflora 2405.
bacteria, swinming pools, association hair microflora 2405.
bacteria, wirkeys carcasses, cleaning systems, meat industry 1053.
bacteria, wirkeys carcasses, colology 4445.
coliforms, poultry carcasses, meat industry 1051.
coliforms, poultry 272.
c Conversion, cellulose, citric acid production, models 3432.
cellulose, glucose production, Gossypium hirsutum, Verticillium wilt, cellulase ethanol, acetaldehyde production, Candida utilis 3684.
molasses, hydrogen production, immobilized cells, Clostridium butyricum 3577.
sterols, sterolds production, immobilized cells, Mycobacterium phiei 4357.
whey, production, acetone, butanol, Clostridium acetobutylicum 4381.
D-xyluiose, ethanol production, Saccharomyces cerevisiae 3643. whey, production, according, accharomyces cerevisiae 3043.

Cooking, eggs, inactivation, Salmonella typhimurium, Staphylococcus aureus 1050, extraction, ammonium hydroxide, effects on, aflatoxins, peanuts, flour 3749, microwave oven, poultry, inactivation, Salmonella typhimurium, Staphylococcus aureus; 048. aureus 1048. de la certa inactivation, stuffing, poultry 5349. 

Cooling systems, leakage, contamination, fermenters 8507. 

Cooling towers, bacteria cozone bactericidal activity 5851. 
Legionella pneumophila contamination, 1-bromo-3-chloro-5,5-dimethylhydantoin chemical control 7531. microorganisms, molasses, continuous culture, ethanol, production, immobilized colls, yeasts 7789.

solls, yeasts 7789.

yeasts 7789.

pathogens, medicine containers, noscoomial environments 1503.

pharmaceuticals, microorganisms, books 9343.

poliovirus, crinking water, samples, transport, processing, methodology 7560.

raw materials use production contamination, fungi, bacteria 8342.

sampling, hygiene, meat industry 3714.

Staphylococcus aureus, growth, corned beef, canned food 6180.

Staphylococcus aureus, growth, corned beef, canned food 6180.

Staphylococcus aureus, prowth, corned beef, canned food 6180.

Staphylococcus aureus, growth, corned beef, canned food 6180.

Staphylococcus aureus, prowth, corned beef, canned food 6180. Legionella pneumophila geographical distribution, seasonal variations, USA 4130. microorganisms sediments analysis 561. Copper(II), bacitracin A complex, E.S.R., Bacillus licheniformis 1413.

Copper, active sites, catechol oxidase, monophenol monooxygenase, role tryptophan, fluorescence, Neurospora 5173.

azurin, fluorescence, Pseudomonas fluorescens 909. bioaccumulation, polysaccharides adsorption, Zoogloea ramigera 3973. bioaccumulation, polysaccharides adsorption, Zoogloea ramigera 3975. chelation, 3-(2-carboxyhydrazine)-phenylimino-2-oxinobutane, antibacterial activity, Mycobactenum 4005. compiex, catechol oxidase, monophenol monooxygenase active sites, Neurospora crassa companison Agaricus bisporus 5174. effects on, wastewater treatment, activated sludge 4113. extracellular levels, Methylooccus capsulatus, Methylosinus trichosporium, nutrient requirements, intracellular localization, methane monooxygenase 3007. inhibition, coliforms growth, drinking water contamination 6417. Inhibition, coliforms growth, drinking water contamination 6417. Inhibition, cultivated waspellus polymers binding, activated sludge 6679. Islanding industrial waspellus polymers binding, activated sludge 6679. Islanding industrial waspellus polymers binding, activated sludge 6679. Islanding industrial waspellus polymers bindings, activated sludge 6679. Islanding industrial waspellus polymers bindings, activated sludge 6679. Islanding for the proposition of the proposition, vesicular-arbuscular mycorrhizas, Arachis hypogaea 5641. pollution effects, community composition, soil microorganisms 2142. evisiae 8501. Candida utilis+Paecilomyces variotii, fermentation, Saccharum officinale crop residues 3686. Candida valida, ethanol, temperature, effects on, growth, association, Candida valida, ethanol, temperature, effects on, growth, association, single-cell protein, production 214. cell culture, biomass production, use vaccines, Bordetella pertussis 9223. cell permeability, malate dehydrogenase activity, alcohol dehydrogenase activity, Saccharomyces cerevisiae 3592. Clostridium acetoholyticum, acetone, butanol, production 961. dialysis, fermentation, vegetables, lactic acid bacteria 2740. ethanol production, why effermentation, kluyveromyces fragilis 3604. fermentation, mathematical models, optimization, methodology 7805. pollution effects, community composition, soil microorganisms 2142. toxicity, Bacillus meqaterium, siderophores enhancement 6444. toxicity, bacteria, soil amendment 4675. toxicity, Neurospora crassa 1312. toxicity, Neurospora crassa 1312.

Continuous culture, (continued) fermentation, mathematical models, oscillations, levels, substrates, biomass

5280

Copper naphthenate,
Aspergillus niger, biodeterioration, characterization 1038.
Copper sulfate,
+antibiotics, disease control, canker, downy mildew, powdery mildew 8139,
disease control, Pseudomonas syringae pv.morspunorum, canker, Prunus cerasus 344.
Conservationing assentic.

disease control. Pseudomonas syringae pv.morspunorum, cument, recorded copper-chrome-arsenic, codometry, chemical analysis, wood preservatives 7244.

Coprinus cinerous, chimication 4308.

Coprinus congregatus, primordia formation, cell culture methodology, protein biosynthesis, nucleic acids biosynthesis, inhibition 2527.

Coprinus lagopus, calmodulin multiple forms, purification, characterization, U.V. spectroscopy 8513.

Coprinus psychromorbidus,

8513.

Gopfnius psychromorbidus, infection, electron microscopy, pathology, Triticum aestivum 7933.

Correbrus capaularis, X radiation, seed treatments, disease resistance, Colletotrichum corchorum 2905.

Corchorus depressus, plant extracts, antimicrobial activity 8339.

plant extracts, antimicrobian acuvity 0009.

Cortycope,
N° (2-hydroxyethyl) adenosine, purification, biological activity, calcium
antagonists, inotropism, guinea-pigs 6060.

Corlander feathery red-vein virus,
vectors, Hyadaphis foeniculi, USA, California 3822.

Corlandrum sativum,
coniander feathery red-vein virus, vectors, Hyadaphis foeniculi, USA, California
3829.

Corlolus,
enzymes, intracellular levels, melanoidin color removal, extracellular polymers,
carbohydrate composition, antitumor activity 3471.

Corlolus veralcolor,
biodegradation, Triticum aestivum lignocelluloses 6943.
cell culture filtrates, tributytiin biodegradation 3648.
infection, phytoalexins induction, defensive mechanisms, Ulmus glabra 5500.
lignin, biodegradation, metabolism 5308.
white rot, detritus effects on pathogenesis, Cynodon dactylon, Eremochioa
ophiuroides, Poa pratensis, Stenotaphrum secundatum 8785.

Corm rot, Fusarium, Gladiolus, disease resistance 2063.

Fusarium, Gladioius; oterase remminia+heat 7889, affatoxin B1 decontamination, ammonia+heat 7889, affatoxins food contamination, control, reviews 222, affatoxins food contamination, factors affecting production, reviews 7052. Aspergillus inger, association, Aspergillus flavus, aflatoxins, production, factors affecting, inhibition 2756. barley yellow dwarf virus hosts, intermediates, association Gramineae infection 1936.

dust, association, fungi 1904. ethanol fermentation, catabolite repression, Saccharomyces cerevisiae 2677. ethanol fermentation, mannitol, sorbitol, inhibition, Saccharomyces cerevisiae

2678 ethanol production, yeasts, γ radiation effects on 151, feeds, pelleting, propionic acid, effects on fungi, contamination 7884 fementation, ethanol production, Aspergillus awarori, Aspergillus niger 5290, fementation, lactic acid bacteria, 6-phytase, phosphorus release 6977, tood contamination, molds, toxins production, water content, temperature, propionic acid, effects on 2749, tood processing, industrial effluents, methanogenesis, wastewater treatment 7510. Fusarium zearalenone incident 1079, meals, detection aflatoxins food contamination, methodology comparison 7066. meals, fermentation, vitamins levels, lactic acid bacteria 5356. meals, effects on amino acid composition, lactic acid bacteria 5357.

oils, effects on antibacterial activity, butylated hydroxyanisole, tertiary

oils, effects on ambacterial activity, butylated nydroxyanisole, tertiary butylhydroquinone 6450, post-harvest decay, fungal flora, ergosterol levels, indicators 2051. post-harvest decay, fungal flora, ergosterol levels, indicators 2051. silage, lemmentation, ammonia preservation 2744. +soybeans, meals, fermentation effects on nutritive value, minerals, lactic acid bacteria 5355.

bacteria 5355.
storage, fungi, biodeterioration 1185.
storage, fungi, biodeterioration 1185.
storage, preservation, ammoniat-propriorior acid, spoilage, bacteria, fungi 7025.
syrup production, fungi mimobilizzed orazymes systems 208.
bichothecenes food contamination, Tetratymena pyriformis use screening 7055.
2± whey fermentation, production, ethanol, proteins feeds 982.
Commest,
temperature effects on, amino acids levels, lactic acid bacteria 7881.

detection, passive hemagglutination methodology, feces 5886.

Coronilla varia,
disease reservoirs, host alternation, rust, Phakopsora pachyrhizi 7940.

Corrinoids,

Corrinoids,
Cyanocobalamin like compounds, biosynthesis, Clostridium 7779.
20roslon,
derital restorative materials, plastics, Pseudomonas aeruginosa 4965.
pipes, sulfate-reducing bacteria, oil and gas industry, reviews 8411.
steel, Desulfovibrio vulgaris, Vibrio anguillarum effects on 2722.
20rtinarus,
mushroom poisoning, clinical aspects, kidney, man 1903.
toxins, characterization 1950.
toxins, high-performance ilquid chromatography 3741.
20rtinarius apecioaissimus,
orelianine, toxicity, phostosynthetic apparatus, Lemna minor, structure-activity
relationships 1949.
toxins structure 8734.

Corylobium avellanae

biological control, Entomophthora planchoniana pathogens, orchards, Italy 5234. Corynebacterium,

orynebacterium,
contact lenses contamination, disinfectants solutions 5871.
cyanocobalamin production 2641.
distribution, incidence, pasture, nematicides effects on 7295.
gallic acid production, biodegradation, tannins, Caesalpinia spinosa 5106.
identification, JAPI test 5041.
identification, use, biochemical analysis 3316.
isolation, media (selective) 5031.
+lactic acid bacteria, retting, organoleptic evaluation, fermented food, cassava
3698.

3698.
metabolism, furan, tetrahydrofuran, reviews 7824.
plant diseases, diagnosis 3780.
plant diseases, diagnosis characterization 3777.
reactors, cutting fluids biodegradation, bacteria identification 178.
sarcosine oxidase, cysteine, histdine residues chemical modification 12.
sarcosine oxidase, dithiothreitol reduction, kinetics 6842.
sarcosine oxidase, immobilized enzymes, use, electrodes, creatine, creatinine 89.
soil, ferric oxide reduction 8260.
steroid A1-dehydrogenase isoenzymes, purification, substrate specificity 64.

steroid A1-dehydrogenase isoenzymes, purification, substrate specificity 64.

Corynebacterium bovis,
growth, toxins production, sodium chloride effects on 8760.

Corynebacterium diphtheriae,
counter immunoelectrophoresis, toxigenicity 7900.
identification, pyrazine carboxylamidase activity screening, U.V. radiation
fluorescence 5909.
identification, use, biochemical analysis 3316.
synthetic peptides, adjuvants, N-acetyl-muramyl-L-alanyl-D-isoglutamine,
Clostridium tetani toxids, antigenicity, vaccines, mice 8656,
toxins, amino acid sequence, nucleotide sequence, genes 7119.
toxins, conformation association acids, sodium chloride effects on, fluorescence
5388.

5388.
toxins genes, tox gene nucleotide sequence, amino acid sequence predictions 7912.
toxins, purification, chromatography 3750.
toxins, synthetic peptides, combined vaccines, Streptococcus, hepatitis B surface
antigen, antibody response, mice 9219.
toxins, toxoids, purification 4889.
toxiolds, +Haemophilus influenzae polysaccharides, combined vaccines,
immunogenicity, rabbits 6655.
toxoids immunogenicity, correlation purification methodology 4891.
toxoids, purification, immunogenicity 4892.
Corynebacterium equi,
alcoholos syldiation, ketones production 8649.

Corynbacterium equi,
alcohols oxidation, ketones production 8649,
hydrogenation chalcone carbon bonds 6153.
Corynbacterium fascians,
immobilized cells, nomilin conversion obacunone, bitter principle removal, fruit
juices, Citrus 7773.

iuicos, Citrus 7773.

Corynebacterium errinductana, methodology 7606.

Corynebacterium errinductana, methodology 7606.

Corynebacterium glutamicum, bacteriocins, busynthesis, physicochemical properties 9200.

gene transfer, protoplasts transformation, plasmids DNA 6059.

glutamic acid overproduction, metabolic pathways, reviews 7667.

Llysine production, carbon sources 866.

Llysine production, orbon sources, flour, Psophocarpus tetragonolobus 7670.

Corynebacterium institlosum,
witi, Medicago sativa, disease resistance effects on phosphorus uptake 3879.

Corynebacterium metabolicoum,
bacteriocinogeny 6550.

Corynebacterium metabolicoum,
bacteriocinogeny 6550.

Corynebacterium metabolicoum,
bacteriocinogeny 6550.

Corynebacterium metabolicoum,
pathogens reduction, digestion (anaerobic), agricultural wastes 8390.

wilt, Medicago sativa, hydroxyproline content, cell walls, association 7928. Corynebacterium michiganense subsp.michiganense, canker, disease reservoirs, soil-borne diseases, crop residues, Lycopersicon asculentum 8672.

esculentum 8872 identification, plant diseases, Lycopersicon esculentum cotyledons lesions 1158. Corynebacterium michiganenae subsp.tritici, incidence, Anguina tritici, association, spike, Triticum aestivum 8803. Corynebacterium petrophilum, induction emulsification reversal, water-in-oil emulsions 1878. Corynebacterium pseudotuberculosis, toxins, characterization 3757. Corynebacterium rathayl, toxins production, infection, canker, pasture, Lolium perenne 6215. Corynebacterium renale, EDTA-tromethamine-hantimicrobial agents antibacterial activity 4816. indicator species use, Staphylococcus aureus bacteriocin phenotypes detection 4883.

Antibodies detection, radioimmunoassay, enzyme-linked immunosorbent assay 2430. Corytebacterium sepedonicum, adioimmunoassay 8434. Corytebacterium sepedonicum, artisera, immunofluorescence, microscopy, cross-reactivity, soil microorganisms, artisera, immunofluorescence, microscopy, cross-reactivity, soil microorganisms, artisera, immunofluorescence, microscopy, cross-reactivity, soil microorganisms, association, Solanum tuberosum 7186. Infection, diagnosis, Solanum tuberosum itssues 8869. plant diseases, immunofluorescence artisera (infection, diagnosis, Solanum tuberosum diagnosis, fluorescent antibody test, books 3385. ring rot, identification, agglutination methodology, feces 5886.

Tuberosum 8456.
ring rot, light intensity effects on, Solanum tuberosum 7998.
ring rot, light intensity effects on, Solanum tuberosum 7998.
ring rot, media (culture), culture aging effects on pathogenicity, Solanum tuberosum 7999.
Corynebacterium ulcerans, identification, use, biochemical analysis 3316.
toxins, characterization 3757.
Coryneforms, milk, heating, refrigeration 6998.
ration sturit, Saccharum officinale, characterization 3810.
surfaces, interaction Pericililum camemberit, role aroma compounds, ripening, Camemberat cheese 6186.
Corynespora cassicola, teat bight, India, Carica papaya 6254.
Corynetoxins, association, funicamycins, streptovirudins, structure, biological activity, 523.

sociation, tunicamycins, streptovirudins, structure, biological activity 523. Cow's milk,

food contamination, aflatoxin M1 7892.

Cowpea aphid-borne mosaic virus, (continued)
resistance 7137.
Cowpea bandling mosaic virus,
disease control, Vigna unguiculata, heat treatments, seed treatments 2095.
Cowpea chlorotic mottle virus,
antiviral agents, effects on 4024.
infection, incidence, Vigna unguiculata, USA, South Carolina 8777.
infection Vigna sinensis, RNA polymerase (RNA-dependent) activity 4508.
infectivity, symptoms, Vigna unguiculata, antiviral agents foliar applications
effects on 3903.
Cowpea Cowpea aphid-borne mosaic virus, (continued) Cow's milk, (continued)
penicillin detection, Bacillus stearothermophilus agar diffusion test 7437.
penicillin, quinaldofur, antibacterial activity, Staphylococcus, Streptococcus,
correlation, mastitis, disease control, cattle 5773.
transmission, mycotoxins, reviews 7075.
Yersinia incidence, yersiniosis epidemiology, man, Japan 7007. Yersinia incidence, yersiniosis epidemiology, man, Japar Coametics, microorganisms biodegradation, books 1683. microorganisms contamination 5751. preservative, 1367. preservatives 1367. production, environmental hygiene, quality control 8426. infectivity, symptoms, Vigna ungulculata, antiviral agents foliar applications effects on 3903.

Cowpea mottle virus, plant diseases, Olicine max, ultrastructure, leaves cells 4505.

Cowpea mild mottle virus, plant diseases, Arachis hypogaea, epidemiology 6235.

Cowpea mosaic vituri, density, seasonal variations, vectors, Bemisia tabaci, incorp. agriculata, Phaseolus lunatus 3783. infection, date effects on susceptibility, Vigna sinensis 6223. infectivity, Bemisia tabaci vectors, Vigna unquiculata 3784. interaction, Vigna unquiculata protopiasts 247.

Cowpea severe mosaic virus, but blight, Glycine max, Brazil 6228. infection, incidence, Vigna unquiculata, USA, South Carolina 8777. serotypes, plant diseases, Vigna unquiculata 6224.

Coxiella burnetti, Clever, South Carolina 8777. serotypes, plant diseases, Vigna unquiculata 6224.

Coxiella burnetti, Clever, Japan 8423.

Coxasckievirus, Agant 8423.

Coxasckievirus Agant 8423.

Coxasckievirus Agant 8423.

Coxasckievirus Agant 8423.

Levels, measuring techniques, drinking water, waste water, lakes, marine environment 7532.

Coxasckievirus Bg.

antibody response immunopolobulin G. seredificity, enzyme-linked immunosectorists. Cosmids, hydrogen uptake, optimization, nitrogen fixation, Bradyrhizobium japonicum 8996. Cosmos, seed-borne fungi, seed-borne diseases, seed treatments, mancozeb 8142. seeds infection, Curvularia, Alternaria alternata 8829. seed-borne tungi, seed-borne oiseases, seed relatires seeds infection, Curvularia, Alternaria alternata 8829. Cost-benefit analysis, dairy starters, lactic acid bacteria 4464. dental sealants, dental caries prophylaxis, man 6724. indole test, identification, Escherichia coli 6787, salmoneliosis, milk contamination, man 4449. Cotoneaster, host plants, fireblight, reviews 7166.

Cotrimoxazole, antibacterial activity, antibiotic synergism, pharmacokinetics, reviews 5731. antibacterial activity, Bacteroides fragilis clinical isolates 8301. antibacterial activity comparison, lidaprim 8299. antibacterial activity comparison, lidaprim 8299. antibacterial activity, does-response effects 7363. antibiotic sensitivity testing, Brahamellia caterialis 9163. antibiotic sensitivity testing, Streptococcus facealis 4808. antibiotic sensitivity testing, Streptococcus pneumoniae 6503. antibiotic synergism, imipenem, antibactic synergism, Pseudomonas maltophilia 3091. containing agar, association, Streptococcus group A isolation 1666. drug resistance, clinical isolates, Shigelia sonnie 570. dwxico 437. drug sensitivity testing, Ernterobacteria caternalis 9097. drug sensitivity testing, Enterobacteriaceae, methodology 7371. drug sensitivity testing, endia (culture), bacteria 2217. leukocytes (polymorphonuclear) penetration, antibacterial activity, man 492. Mycobacterium sensitivity 3045. resistance, Shigelia flexxnen 6425. synergism, metronidazole, tinidazole, antibacterial activity, anaerobic bacteria 7366.
Cotton, Cotoneaster,
host plants, fireblight, reviews 7166. environment 7532.

Coxsacklevirus B,
antibody response, immunoglobulin G, specificity, enzyme-linked immunosorbent
assay 2438.
isolation, GMK cells, clinical isolates 612.
levels, detection methodology, surface water, drinking water, reviews 2384.
water quality, rivers, sewage effluents 9254.

Coxsacklevirus B1,
levels, measuring techniques, drinking water, waste water, lakes, marine
environment 7532.
Coxsacklevirus B2. environment 7532.

Coxsacklevirus B2,
lycorine effects on 4021.

Coxsacklevirus B3,
DNA, use, enterovirus detection, nucleic acids hybridization analysis 4979.

Coxsacklevirus B4,
analogs antiviral activity 4772.

Coxsacklevirus B5,
seroepidemiology, occupational exposure, waste water, sprays, agriculture, man
4096. Cotton. lignocelluloses, ginning, industrial wastes, textile industry, biodegradation, Pycnoporus cinnabarinus 6164.

Cottonseed, contamination, Aspergillus niger isolates, naphtho-y-pyrone biosynthesis 6105 6105.
meals, Aspergillius flavus aflatoxins production 3746.
Cotyledona,
Bradyntizobium japonicum nodulation, light inhibition, Glycine max 8248.
Lycopersicon seculentum, Iesions, Corynebacterium michiganense
subsp.michiganense, identification, plant diseases 1158.
Coulomb force,
use, immobilization, Rhizopus exo-1,4-a-D-glucosidase 39.
Coumarin, Crassostrea gigas, shells, minerals, bacteria, biodegradation 4439. sneits, minerals, bacteria, blooegradation 4439.

Crassostrea virginica, seafood, spoilage, aerobic bacteria, anaerobic bacteria, pasteurization, packaging, cold storage, shelf life 8720.
seafood, steam pasteurization, freezing, Clostridium botulinum type E toxins production, spoilage 5364.

Vibrio cholerae contamination, isolation methodology 5088. volatiles biosynthesis, association odors, Pleurotus euosmus 133.

Coumermycin, antibiotic sensitivity testing, gram-negative bacteria, gram-positive bacteria, antibiotic synergism, hydroxy quinolones 6557.

antibiotic synergism, hydroxy quinolones 6557.

antibiotic synergism, hydroxy quinolones 6557.

Coumermycin (epication, influenza A virus 9112.

Coumermycin, repication, cell culture 9126.

Counter Immunoelectrophoresis, adenovirus (human) 5, hexons antibodies, immunodiagnosis 2439.

comparison, agglutination, Gram stain, diagnosis, meningitis, Haemophilus influenzae type b, Streptococcus pneumoniae, man 3275.

comparison agglutination, Streptococcus pneumoniae serotyping 3312.

comparison, enzyme-linked immunosorbent assay, sensitivity, specificity, hepatitis B surface antigen 7568.

correlation, fluorescent antibody test, rables virus antibodies determination, rabbits 3250.

detection, canine distemper virus, dogs 598.

detection, rotavirus (human), feces, man 641.

diagnosis, Streptococcus pneumoniae infection, comparison latex agglutination 5028.

immunodiagnosis, Legionnaire's disease, Legionelia pneumophila antibodies 247 olatiles biosynthesis, association odors, Pleurotus euosmus 133. Crataegus monogyna, host plants, fireblight, reviews 7166. Cream, Control of the state of production, Streptococcus lactis, dairy starters, flavorings effects on, milk, buffaloes 2736. Creatine, electrodes, creatiniase, creatinase, sarcosine oxidase, immobilized enzymes, Pseudomonas, Corynebacterium 89. Creatininase, immobilized enzymes, Pseudomonas, electrodes, creatine 89. immobilized enzymes, Pseudomonas, electrodes, creatine 89.

Creatinine,
determination, electrodes, immobilized enzymes creatinine deiminase+nitrifying
bacteria immobilized cells 1605.
electrodes, creatininase, creatinase, sarcosine oxidase, immobilized enzymes,
Pseudomonas, Corynebacterium 89.

Creatinine deiminase,
immobilized enzymes, +nitrifying bacteria immobilized cells, electrodes,
creatinine determination 1605. Creosol, effects on Aspergillus flavus aflatoxin B1 biosynthesis, in vitro 7095. 50/28. Immunodiagnosis, Legionnaire's disease, Legionella pneumophila antibodies 2478. Immunodiagnosis, meningitis, Neisseria meningitidis, Streptococcus pneumoniae, Haemophilus 2488. methodology, detection, antibodies, vesicular stomatitis virus 7569. methodology, infectious pancreatic necrosis virus identification 7563. methodology, Mycoplasma identification, mycoplasmosis immunodiagnosis, cattle 6770. Creosote, aquifers contamination, biodegradation, methanogenic bacteria, Pseudomonas stutzeri 5815. effects on, catalase, activity, relationship, microorganisms, colonization, biodeterioration, forest products 1243. m-Cresol, rotavirus detection, comparison, enzyme immunoassay, electron microscopy 4980. toxigenicity, Corynebacterium diphtheriae 7900. toxigenicity, Corynebacterium diphtheriae 7900.

Stuaries, effects on Escherichia coil, phenotypes, genotypes 4961.

PCresol,
biodegradation enzymes, Alcaligenes eutrophus 4422.

Cronartium comptoniae,
rust, epidemiogy, host-pathogen interactions, host alternation, Comptonia
peregrina, Pinus banksiana 5602.

895.

By Stuaries, effects on Escherichia coil, phenotypes, genotypes 4961.

Cronartium comptoniae,
peregrina, Pinus banksiana 5602.

By Stuaries, effects on Escherichia coil, phenotypes, genotypes 4961. estuaries, effects on Escherichia coli, phenotypes, genotypes 4961. Coupling factor 1, basidiospores spore germination, fluorescence brighteners effects on 2529. blister rust, plant breeding, disease resistance, Pinus 2870. sporulation, teliospores, urediniospores, environmental factors effects on, Vincetoxicum officinale 3927. mutation effects on activity, Escherichia coli 898. subunits oxidative phosphorylation, characterization, comparison, Escherichia coli, Salmonelia typhimunium 3440. subunits, stoichiometry, use monocional antibodies, immunoelectron microscopy, Escherichia coli 3479. Vincetoxicum omicinale siz/c. Cronartium quercium, fusiform rust, Pinus eliiotiii, pathogenesis 4615. Cronartium quercium f.sp.bankslanee, rust, disease control, use, 2-lodobenzanilide, benomyl, Pinus 3916. Cronartium quercium f.sp.fusiforme, fusiform rust, disease resistance, density effects on, Pinus elliiottii 8187. fusiform rust, disease resistance, necrosis ultrastructure, embryos, Pinus taeda p-Couramic acid,
phytotxicity, Pseudomonas, Synecephalastrum racemosus degradation effects on,
allelopathy, Triticum aestivum 373.
Cowpea aphid-borne mosaic virus, disease transmission, Aphis craccivora vectors, Vigna unquiculata infestation

## Cronartium quercuum f.sp.fusiforme, (continued)

362.

tusform rust, disease resistance, seedlings, Pinus elliotti 2921.
tusform rust, Pinus elliottii var.elliottii seedlings, stems lessons 7234.
tusform rust, Pinus taeda, Pinus elliottii var.elliottii, pathology location, relationship, yelid 8943.
infection susceptibility, Pinus echinata seedlings 5591.
infoculum, phenology, Pinus elliottii var.elliottii fustform rust 3921.
Cronartium riblocia.
bilister rust, Pinus monticola, disease resistance 5595.
bilister rust, Pinus monticola, disease pathogens, association, Dendroctonus ponderosae, Pityogenes fossifrons, Pinus monticola, USA, Idaho 8182.
strains, virulence, rust, disease resistance, Pinus monticola, USA, Oregon 8949.

Crop fields,

rop fields, agriculture, nitrogen fixation, microorganisms 9345, crop production (no-tillage), fallow land, soil microorganisms, mineralization, nutrient cycles, Triticum aestivum 5668, crop production (no-tillage), soil microorganisms, biomass, nitrogen cycle, nutrient dynamics, Triticum aestivum 5669, dentifriication, agricultural practices, reviews 5671, dentifriication, gas production, nitrogen nitrous oxide ratio, Hordeum vulgare 5679.

5672.

fumigation, effects on soil microorganisms 5681.
Hordeum vulgare, planting density, relationship barley yellow dwarf virus incidence 256.

itrogen fixation, Rhizobium, nitrogen-15, measuring techniques, Glycine max

7289.

introgen fixation, soil microorganisms, measuring techniques 1277.
organic matter biodegradation, soil microorganisms 1285,
organic matter, nutrient dynamics, nutrient cycles, soil microorganisms 5637.
phytopathogenic fungi spores, wind dispersal, modelling, Hordeum vulgare 5403.
plant diseases, yield raduction, predictions, measuring techniques, mathematical
models, crop fields 239.
Sclerotium rolfsii stem rot, Arachis hypogaea, spatial distribution, USA, North
Carolina 7134.
soil amendment, naurre, drainage, indicator species, microbial pollution 6709.
soil microorganisms, phosphorus cycle 5635.

soil microorganisms, phosphorus cycle 5635.
soil, wesicular-arbuscular mycorrhizas incoulain, field trials 7253.
soil, vesicular-arbuscular mycorrhizas incoulain, field trials 7253.
Solanum tuberosum, potato virus S transmission, cutting instruments 8008.
Trificum aestivum, population levels, mycoflora, relationship Aphelenchus avenae 8223

Triticum aestivum, trifluralin effects on population levels, soil microorganisms 5682.

5882.
waste water, irrigation, soil properties, bacteria, characterization 4924.
Crop production,
Cajanus cajan diseases, economic importance, Asia, Africa, North America, South
America 7139.
Crop production (no-tillage),
crop leids, soil microorganisms, biomass, nitrogen cycle, nutrient dynamics,
Triticum assituum 5669.

Triticum aestivum 5689.

crop fields, sol microorganisms, mineralization, nutrient cycles, Triticum aestivum 5688.

crop protection, biological control, books 8494, plant breeding, disease resistance, tropical environment, long-term effects 1177.

Top residues,
Agave fourcroydes, single-cell protein production, gram-negative bacteria 3415. biodegradation, symbiosis activity, Bacillus polymyxa, Penicillium 3673.

Cochilobolus sativus sporulation, overwintering, soil 5420.

Cocac, cellulose hydrolysis, cellulase, Trichoderma resesi 8678.

composting, disease control, phytopathogenic fungl 2842.

conversion, use cellulolytic enzymes, pectinolytic enzymes, microorganisms, silage, fermentation 213.

decomposition, soil microorganisms, hydraulics effects on percolation 7509.

silage, fermentation 213.

decomposition, soil microorganisms, hydraulics effects on percolation 7509.

digestion (anaerobic), phylotoxicity reduction, soil microorganisms decomposition, or determ distribuna 256.

Alfirmesota, Zea mays 7967.

disease reservoirs, soil-borne diseases, Corynebacterium michiganense subsp. michiganense, canker, Lycopersicon esculentum 8872.

ethanol production, cellulolytic microorganisms 3637.

fermentation, ethanol production, immobilized cells, Saccharomyces 3641.

fermentation, nethane production, reviews, microorganisms 5703.

fermentation, pretreatment, production, carbohydrates, ethanol 5307.

fermentation, production, but and, acetone, Clostridium acetobutylicum 7832.

Hordeum vulgare, Medicago sativa, smoke, antifungal activity, fungi 8319.

lignocelluloses, digestion (anaerobic), methanogenesis 5696.

lignocelluloses, high pressure carbon dioxide+steam pretreatment, cellulase hydrolysis 1748.

Malus, fermentation, ethanol production 3623.

Musa paradisiaca, substrates, single-cell protein production, Picha spartinae

882.

social paradisiaca, substrates, single-ceil protein production, Pichia sparinae 853.

organic acids production, energy resources, digestion (anaerobic), Trichoderma reesei 3417.

Oryza sativa, sewage sludge, composting, actinomycetes, aerobic bacteria, cellulolytic bacteria 7492.

proteins hydrolysis, immobilized enzymes, proteinase, bioreactors, Penicillium duportii 3475.

radiation+chemicals pretreatment, effects on enzymes hydrolysis 1044.

Saccharum officinale, fermentation, continuous culture, Candida utilis+Paecilomyces variotii 3686.

sligae+whey, Lactobacilius plantarum inoculation, Gossypium nirsutum 2743.

single-ceil protein production, cellulolytic microorganisms 3726.

soli amendment, effects on population levels, soli microorganisms 5687.

soli amendment, Macrophomina phaseolina mycella survivial association 2133.

Zea mays, Chaetomium cellulolyticum fermentation, n-butylamine pretreatment 1

Zea mays, sligae, fermentation, effects on digestibility, cattle 7877.

Zea mays, silage, fermentation, effects on digestibility, cattle 7877.

disease control, Peronosclerospora sorghi downy mildew, Sorghum bicolo: 1175 disease resistance, Arachis hypogaea, Cylindrocladium crotalariae black rot 549.

disease control, Peronosclerospora sorghi downy mildew, Sorghum bicolo: 1175. disease resistance, Arachis hypogaea, Cylindrocladium crotalariae black rot 5490.

Crop rotation, (continued)
Gossypium hirsutum, Verticillium dahliae pathogenicity, soil-borne diseases association 1149. association 1149. soil microorganisms 2140. Zea mays, Triticum aestivum, herbicides effects on soil microorganisms 2929.

Zea mays, Triticum aestivum, herbicides effects on soil microorganisms 2929.

Cropa,
disease control, soil amendment, sewage siudge composts, fungi 5488.
disease resistance plant breeding 8893.
horticulture, disease resistance. Dematophora necatrix root rot 2073.
host range, Pseudomonas soilanaearum, wilt 7177.
Leguminosae, endomycorrhizas, India 7251.
mycorrhizas, research programs, technology 5649.
nitrogen fixation, soil microorganisms 410.
nonhost, growth, soil, association, Fusarium oxysporum f.sp.niveum infestation,
effects on levels 3826.
plant breeding, disease resistance, biometrics 2867.
plant breeding, disease resistance, biometrics 2867.
plant breeding, disease resistance, pidemiology, host-pathogen interactions
2866.

2866, plant breeding, disease resistance, host-pathogen interactions, genotype-environment interactions, reviews 2868, plant breeding, disease resistance, phytopathogenic fungi, host-pathogen interactions, genotype-environment interactions 2865, plant breeding, disease resistance, USA 2879, plant diseases, viruses, control, ecological evaluation, reviews 3764, plant diseases, wiether projections 1098, plant diseases, yield reduction 1092, plant diseases, yield reduction 1092, plant diseases, yield reduction, mathematical models, conferences 849, plant viruses infection diagnosis, spot hybridization 7924, roots colonization, phosphate, nument uptake, vesicular-arbuscular mycorrhizas 5620.

bodu. roots, nitrogen fixation, denitrification, flooded soils 2994, soil fertility, allelopathy, role soil microorganisms, phytotoxins 4636. yield, blotechnology, books, soil microorganisms 3366, yield, foliar applications, nitrogen fixation, Klebsiella 2973.

yield, inoculation, mycorrhizas 1233 yield reduction, plant diseases 1093

rield reduction, plant diseases 1094. osa-breeding, Vitis vinifera× Muscadinia rotundifolia hybrids, phylloxera resistance 3832.

Crossed immunoelectrophoreals, parainfluenza virus 3 glycoproteins, resolution 8449.

Crowding, larvae, Culex pipiens molestus, Theobaldia longiareolata, effects on Bacillus thuringiensis subsp.israeiensis lethaity 124. Crown gall,

rown gall,
Agrobacterium, cell proliferation, host-parasite interactions, host plants 8855.
Agrobacterium tumefaciens, cell surface interaction, plant cells 8854.
Agrobacterium tumefaciens, disease control, salicylic acid, acetylsalicylic acid,
Nicotiana tabacum 7217.
Agrobacterium tumefaciens, disease resistance, plant breeding, Vitis
amurensis Vitis vinifera 8906.
Agrobacterium tumefaciens, disease resistance, plant breeding, Vitis
amurensis Vitis vinifera 8906.

Agrobacterium turnelfaciens, disease resistance, screening, plant breeding, inheritance, Vitis amurensis Vitis vinifera 8908. Agrobacterium turnelfaciens, Nicotiana rustica, octopine biosynthesis detection 2808.

Agrobacterium tumefaciens, nopaline dehydrogenase, D-lysopine dehydrogenase,

Agrobacterium tumelaciens, repaine ueriga ogarabas, prijasajara den activity, plants 6274.
Agrobacterium tumelaciens serotyping, rootstocks, Malus pumila 270.
Agrobacterium tumelaciens, trees, characterization 5583.
Agrobacterium tumelaciens, Vitis vinifera 279.

Agrobacterium tumefaciens, Vilts vinifera 279.
Agrobacterium, Vilts vinifera, epidemiology, Alghanistan 1151.
bioassays, Malus pumila, Rosa rugosa, host range, disease control 343.
biological control, Agrobacterium radiobacter, Prunus persicas 334.
biological control, Agrobacterium radiobacter, Prunus persica 334.
335.

biological control, fruit trees 269

biological control, fruit trees 269.
disease control, biological control, conferences 848.
disease control, sewage sludge, soil amendment, Rubus 310.
disease control, streptomycin, CGA 78039, rootstocks, Malus pumila 342.
fruit trees, Italy 267.
fruit trees, Italy 267.
opines, mediation Ti plasmid, gene transfer, Agrobacterium tumefaciens, host
plants 235.

piants 235.
plants, opines utilization, Pseudomonas, Agrobacterium tumefaciens 7131.
plants, silver nitrate staining tumors, Agrobacterium tumefaciens 4534.
humors, asparaginopine, glutarniopine, sloaltion, Agrobacterium tumefaciens 2810.
tumors, indole-3-acetic acid treatment, Solanum tuberosum tubers 8874.
tumors, plants, induction, role, Agrobacterium tumefaciens cell surface
carbohydrates 8788.
Vils vinifara, glutlony. Agrobactarium 3949.

Vitis vinifera, etiology, Agrobacterium 3848.

Limonium sinuatum, etiology, Pseudomonas caryophylli 4560.
Medicago sativa, disease control, benomyl, Sclerotinia 5527.
Phytophthora cactorum, Bacillus subtilis antagonism, biological control,

seedlings, Malus pumila 7212.

Phytophthora cactorum, Malus, antagonists, bacteria, effects on pathogenesis 5511.

5511.
Phytophthora capsici, disease resistance, Capsicum annuum 5508.
Phytophthora, Castanea sativa disease control 3876.
Phytophthora, orchards, Juglans regia 271.
Scierotinia trifoliorum, disease resistance, selection, Medicago sativa 5485.

pathogenesis, Avena byzantina 7982. Pucoria coronata, β-D-fructofuranosidase physicochemical properties, leaves, Avena sativa 2109. Puccinia coronata, disease resistance, Avena sterilis 4577

Puccinia coronata f.sp.avenae, disease resistance, genetic analysis, Avena sativa 3868 Crucibulum laeve

biodegradation, lignocelluloses, Triticum aestivum, Acer saccharinum 6948. Cruciferae, black rot, epidemiology, etiology, Thailand 287

ryopreservation, bacteria, methodology, reviews 744.

Cryopreservation, (continued)
basidiospores. Agaricus brunnescens 8696.
cell culture, yeasts 4222.
Escherichia coli phages, inactivation factors 1550.
nitrogen (liquid), biochemical characteristics, yeasts 6789.
nitrogen (liquid), Leptospira 9289.
nitrogen (liquid), Leptospira 9289.
nitrogen (liquid), Leptospira 9289.
nitrogen (liquid), Leptospira 9289.
virulence conversion, Castanea dentata isolates, blight biological control 6326.
virulence conversion, Castanea dentata isolates, blight biological control 6327.
Crypto-cotes tumefactens,
recovery methodology, kidney diseases, man 1633.
Crypto-cotes tumefactens,
antibiotic sensitivity testing, drug sensitivity testing 8346.
detection methodology, activity, L-a-aminocaprolactam hydrolase, lysine
amidase 6822.
germ tubes detection. API test 2528. Cucumis sativus, (continued) tucumis sativus, (continued) 
lignin deposition 7205. 
downy mildew, disease control, salicylanilides derivatives 8315. 
downy mildew, powdery mildew, disease control, antibiotics+copper sulfate 8139. 
downy mildew, Pseudoperonospora cubensis, metalaxyl resistance, strains 
competition 341. 
fruit rot, stem rot, Didymella bryoniae ascospores incidence 278. 
melon necrotic spot virus infection, disease control 6314. 
mulches, effects on, cucumber mosaic virus, watermelon mosaic virus, incidence plant diseases, watermelon mosaic virus, host range, disease transmission, Morocco 6270. Morocco 6270. plant diseases, zucchini yellow mosaic virus, Lebanon 4544. powdery mildew, Erysiphales, epidemiology, spectrophotometry 7917. Pseudoperonospora cubensis, metalaxyl, resistance, strains, pathogenicity 4549. scab, Cladosporium cucumerinum, seediings, pathogenesis, role, proteinase 7175 seed-borne diseases, transmission (seed), Didymeila bryoniae 8036, seeds. baiting substrates, disease reservoirs, soil-borne diseases, Pythium aphanidermatum 8763. detection methodology, activity, L-α-aminocaprolactam hydrolase, lysine amidase 6822. 
germ tubes detection, API test 2528. 
lysine production, activity, L-α-aminocaprolactam hydrolase 6034. 
synergism, Unomyces viciae-fabae infection, Vicia faba 7135. 
Cryptococcus albidus, 
endo-14-9-D-xylanase, cellobiose, xylosyl acceptors 3671. 
lipids biosynthesis, growth rate, continuous culture 6925. 
Cryptococcus laurentil, 
polysaccharides biosynthesis 6054. 
Cryptococcus laurentil, 
polysaccharides biosynthesis 6054. 
Cryptococcus laurentil, 
food contamination, meat, effects on flavor, association freezing 3702. 
Cryptococcus neoformaes, 
antifungal activity, 2-methylquinolines 5740. 
antigens, detection, body fluids, methodology comparison, man 2531. 
clinical isolates. 
1-(4-chitorophenoxy)-3,3-dimethyl-2-(1,2-4,-triazole-1-yl)methylbutan-2-ol, 
1-(4-chitorophenoxy)-1-(1-imidazoly)-3,3-dimethyl-2-butanol hydrochloride, 
artifungal activity, 756. 
growth inhibition, ketoconazole, amphotenicin B 1407. 
indole compounds utilization, melanin pigments biosynthesis 2645. 
itraconazole antifungal activity, new records 9104. 
phagocytosis, stairing, (4,-6-diamidino-2-phenylindole)-fluorochrome, microscopy 2524. 
Cryptococcus neoformans var.gatti, seeds, baiting substrates, disease reservoirs, soll-corne diseases, Pymum aphanidermatum 8763.

Cucurbita, disease transmission, squash leaf curl virus, vector-borne diseases, Bemisia tabaci, characterization 1150.

Cucurbita maxima, fruits, chemical composition, watermelon mosaic virus effects on 6257.

Cucurbita moschata, downy mildew, Pseudoperonospora cubensis, oospores, incidence, India 8838.

Cucurbita pepo, cucumber green mottle mosaic virus, disease transmission, vectors, Raphidopalp, fevicollis 8850.

Cucurbita pepo, cucumber mosaic virus infection, leaves symptoms 6259.

epidemiology, Bemisia tabaci, disease transmission, watermelon mosaic virus 2, squash mosaic virus, USA, California 326.

Tollar application, oils, disease transmission, watermelon mosaic virus, Myzus peptical cucurbitacearum, new records, British Isles 5452.

Melolodogotoria cucurbitacearum, new records, British Isles 5452.

Melolodogotoria evancia infection, watermelon mosaic virus effects on 6266. seed-borne diseases, transmission (seed), Didymella bryoniae 8036.

Cucurbitaceae, plant diseases, zucchini yellow mosaic virus, pathogenesis 4543. plant diseases, zucchini yellow mosaic virus, USA 6269. phagocytosis, staining, (4, odanitum/cz-prieriyimdoley-indiodelindine, find 2524.

Cryptococcus neoformane var.gattl, media (selective) 809.

Cryptococcus neoformane var.neoformans, media (selective) 809.

Cryptococcus neoformane var.neoformans, media (selective) 809.

Cryptococcus neoformane var.neoformans, duercus robur branches 7218.

Cryptostroma corticale, strains compatibility, life cycle, epidemiology, population structure, sooty bark, Acer pseudoplantus 8190.

Crystal structure, ilgnocolluloses, y adiation effects on 3654.

X-ray diffraction, DNA-binding protein, Bacillus stearothermophilus 7663.

X-ray diffraction, fibosomal protein L6, Bacillus stearothermophilus 7662.

Crystallography, alkaline phosphatase binding sites, Escherichia coli 2587.

208-hydroxysteroid dehydrogenase, X-ray diffraction, Streptomyces hydroxysteroid dehydrogenase, X-ray Botryodipíodia theobromae seed rot 2032. biological control, microbiology, pathology, genetics, Bacıllus sphaericus 6898. ulex annulirostris, biological control, pathogens, Culicinomyces clavosporus, field trials, Australia 126. Culex declarator, larvae, biological control, Bacillus thuringiensis 136. Culex molestus, larvae, Bacillus thuringiensis toxicity, biological control 8647. Culex pippiens, Liles piplens,
Bacillus thuringiensis subsp.israelensis, biological control, Israel 2672.
Bacillus thuringiensis subsp.israelensis, biological control, Israel 3543.
biological control efficacy, suspended matter, furbidity, effects on, Bacillus thuringiensis var.israelensis 8642.
biological control, field trials, formulations, Bacillus thuringiensis subsp.israelensis 6916.
biological control, use pathogens, Coelomomyces psorophorae 4395.
larvae, biological control, Bacillus sphaericus, sporulation, relationship, toxicity 6089.
larvae, foxicity, a-endotoxin, sonre crystals, Bacillus sphaericus, 3672. 20β-hydroxysteroid dehydrogenase, X-ray diffraction, Streptomyces hydrogenans 6834. Crystala, proteins, Bacillus thuringiensis subsp.israelensis, solubilization methodology, toxicity, Aedes aegypti larvae 1859. Ctenocephalides fells,
repellents, efficacy, Saccharomyces carlsbergensis, dogs 6092.
Cucumber green mottle mosaic virus,
disease transmission, Raphidopaipa fevicollis, vectors, Lagenaria siceraria,
Cucurbtra pepo 8850.
Cucumber mosaic virus,
Ampelopteris prolifera, leaves, extracts, antiviral activity 8333.
antiviral activity, ribavirin, petioles tissue culture, Nicotiana tabacum 3904.
detection, Arachis hypogene, China, People's Rep. 6229.
disease resistance, plant breeding, Nicotiana tabacum, Taiwan 5480.
immunodiffusion, detection, Nicotiana tabacum, sap 8822.
incidence, Cucumis sativus, mulches, effects on 4585.
infection, Cucumis pepo, leaves symptoms 6259.
infection, incidence, Vigna unguicultat, USA, South Carolina 8777.
infection, Medicago sativa, etiology, disease transmission 2787.
isolation, Olea europea, Italy 6248.
mosaic disease, host range, disease transmission, Cucumis melo 8819.
plant diseasese, Pisum sativum, amino acid composition 6227. larvae, toxicity, α-endotoxin, spore crystals, Bacillus sphaericus 3572. larvicides activity, Bacillus sphaericus media (culture), growth, sporulation Culex pipiens molestus, larvae, crowding effects on Bacillus thuringiensis subsp.israelensis lethality 124. Culex piplens quinquefasciatus, pathogenicity, Entomophthora cuilcis 138. Culex quinquefasciatus, biological control, spores powder, Bacillus thuringiensis, Bacillus sphaericus 6918. larvae, biological control, pathogenicity, phage typing, Bacillus sphaericus 2663. larvae, biological control, toxicity, Bacillus thuringiensis, Bacillus sphaericus, pollution effects, fresh water 2658. Culex tarsalis. Culex tersails, biological control, larvicides, Bacillus sphaericus spores, fate, ponds 1845. Culficidae, Bacillus thuringiensis subsp.israelensis proteins toxicity assocaition, isolation, characterization 1733. Bacillus thuringiensis subsp.israelensis toxins biological control, toxicity Bacillus thuringiensis subsp.israelensis toxins biological control, toxicity Cucumbers, fermentation, lactic acid bacteria 5330. microorganisms contamination, chlorine dioxide control 8051. beduints trutingierisis subsp. israelensis toxins biological control, toxicity
7790. biological control, Bacillus thuringiensis subsp. israelensis, field trials 1854.
biological control, efficacy, persistance, ponds. Bacillus sphaericus 6914.
biological control, pathogens, guanteum, pathogens, aquatic environment 130.
biological control, pathogens, predator-prey interactions, Bacillus sphaericus,
Bacillus thuringiensis, Toxorhynchites 1841.
biological control, persistance, recycling, growth, Bacillus sphaericus 6920.
biological control, spentialtion, Bacillus sphaericus, transformation, plasmid
pUB110, plasmid pBC16 2666.
biological control, spentingens, Coelomomyces psorophorae 4395.
cell innes, growth, African swine fever virus 1545.
tungi pathogenicity 138.
larvae, biological control, spore crystals, Bacillus sphaericus 6917.
larvicides, Streptosporangium abildum aculeximycin, fermentation, isolation 2293
Cullicinomyces clavisporus,
biological control, dose-response effects, mortality, larvae, Anopheles hilli
2664,
infection, histopathology, ultrastructure, digestive tract, biological control, ucunia, Didymella bryoniae stem blight, benzimidazoles, resistance 1223. host range, papaya ringspot virus, comparison, watermelon mosaic virus 1 8039. Phytophthora drechsleri blight, China, People's Rep. 7170. Phytophthora drechsteri blight, China, People's Rep. 7170.

Cucumis meto,
epidemiology, Bemisia tabaci, disease transmission, watermelon mosaic virus 2,
squash mosaic virus, USA, California 3821.
gemplasm, disease resistance, Fusarium oxysporum f.sp.melonis infection 313.
Macrophomina phaseolina charcoal rol, pathogenesis 2033.
mosaic disease, cucumber mosaic virus, host range, disease transmission 8819.
plant breeding, disease resistance, plant viruses 3856.
seed-borne diseases, transmission (seed), Didymella bryoniae 8036.
zucchini yellow mosaic virus disease resistance, inheritance, zym gene, linkage
analysis 5478.
Cucumis aattva,
cotyledora, tobacca pecnesis virus infection, profesios fraction characterization.

cotyledons, tobacco necrosis virus infection, proteins fraction characterization 1143.

light intensity, pathogenesis, arabis mosaic virus 2009. powdery mildew, Erysiphe cichoracearum, Sphaerotheca fuliginea, Czechoslovakia 3836.

3836.
Cucumia settivus,
disease control, Phytophthora infestans, Pseudoperonospora cubensis,
cross-resistance, fungicides, metalaxyl 2894.
disease resistance, Cladosporium cucumerinum, cell walls hydroxyproline levels,

zoo4-, infection, histopathology, ultrastructure, digestive tract, biological control, larvae, Anopheles 2653. Cultchomycae clavosporus, pathogens, biological control, Culex annulirostris, field trials, Australia 126.

106

biological control, Bacillus thuringiensis 3573.

ulture collections, bacteria, plasmids, genetic markers, computer programs 756 fungi, preservation methodology 2526. patents, brewing, microorganisms 6834. vruses, media (transport) methodology 2442.

viruses, media (transport) methodology 2442.

uthure systems,
Aeromonas hydrophila population levels, aquaculture, ktalurus punctatus 6707.
Aeromonas hydrophila population levels, aquaculture, ktalurus punctatus 6707.
microorganisms, gases determination, mass spectroscopy methodology 4144.
unninghamelia echinulata,
artifungal activity, chromium(III), chromium(VI) 8316.
niccinine biodegradation 1690.
tin, antifungal activity 1341.
unninghamelia elegans,
biodegradation, 1-fluoronaphthalene, stereoselectivity 7835.
biodegradation, 1-fluoronaphthalene, metabolism, metabolites analysis 424.
hydroxylation, 1-methynaphthalene, 2-methynaphthalene 2-187.
oxidation, stereoselectivity, phenanthrene, anthracene 2188.
upric hydroxides.

upric hydroxide, disease control, Hemelia vastatrix, leaf rust, Coffea 8123. +mancozeb, disease control, bacteria speck, Lycopersicon esculentum 6310.

+mancozeb, disease control, bacteria speck, Lycopersicon esculentum 631 uprous oxide, disease control, bacteria speck, Lycopersicon esculentum 631 disease control, Hemelia vastatrix, leaf rust, Coffea 8123. disease control, Theobroma cacao, pod rot, Phytophthora palmivora 5526. urcullo caryse, biological control, disease reservoirs, soil colonization, Beauveria bassiana, Metarhizium anisopliae 5263. urcurbta moschata, plant breeding, inheritance, disease resistance, host-pathogen interactions, powdary mildew, Erysiphe cichoracearum 3662. swybaen mill. Disciplinaria control and control disease resistance, host-pathogen interactions, powdary mildew, Erysiphe cichoracearum 3662.

uro, soybean milk, Penicillium caseicolum fermentation, bromelain coagulants 7852. ured products, meat products, food processing, spoilage, contamination, bacteria 3708. poultry, spoilage, preservatives, sodium nitrite, sodium ascorbate 7886.

urvularia, cellulotytic enzymes activity 6871. infection, seeds, Cosmos 8829. urvularia Intermedia, biodeterioration, polyvinyl chloride, films 1032.

brotatian intermedia;
urrularia lunata,
antimorbia advity, nematicides (1325,
antimorbia advity, nematicides (1325,
dehydrogenase, reduction, bicyclo(3,2.0)hept-2-en-6-one 5255.
Immorbitized cells, hydrocorisone production 107,
morbitized cells, hydrocorisone production 107,
morbitized cells, hydrocorisone production 107,
morbitized cells, hydrocorisone production 107,
manozob -curzate advitation climatic conditions 1992.
manozob -curzate advitational activity 4869.
infection Zea mays seeds, climatic conditions 1992.
urvularia palleacena,
infection Zea mays seeds, climatic conditions 1992.
urvularia tuberculata,
leafspot, Eichhomia crassipes 8818.
urvularia verruciformis,
antifungal activity,
3-arylaminomethyt-5-(2,4-dichlorophenyl)-1,3,4-oxadiazole-2-thione,
5521. UIZALO

+mancozeb antifungual activity, phytopathogenic fungi 2085. utticle, Phaseolus vulgaris, role disease resistance, Rhizoctonia solani 1174.

instruments, potato virus S transmission, Solanum tuberosum, greenhouses, crop-fields 8008. utting fluids, blodegradation, activated sludge reactors. harderin identification.

biodegradation, activated sludge reactors, bacteria identification 178. yamopsis tetragonolobs, nitrogen fixation, nitrogen fixation, nitrogenase activity, nodulation, water stress effects on 4670.

407u.
powdery mildew, Leveillula taurica, incidence, USA, Arizona 8035.
symbiosis, Rhizobium, phenotypes, variability 8246.
yanamide,
diesase control, plants, seedlings, infection, Rhizoctonia solani, Pithlum
debaryanum 3886.
vanida.

pederyanum soeo.
yanida, yanda, yanda, yanda, yanda, binding cytochrome peroxidase, E.S.R., Pseudomonas aeruginosa 3469, biodegradation, Pseudomonas fluorescens growth, nitrogen sources, ammonia biosynthesis 187, biodegradation, production and pr

industrial enuents, toxicity, methanogenic bacteria, digestion (airaerobic) 2376.

Cyano-Balanine, inactivation, D-alianine aminotransferase activity, temperature role, Bacillus sphaericus 7717.

Cyanoaleanine synthase, purfication, Chromobacterium violaceum 6044. yanocabelamine synthase, purfication, characterization, Chromobacterium violaceum 6044. yanocabelamine bialaphoe, streptomyces hygroscopicus 5905. biosynthesis, Propionibacterium shermanii, Propionibacterium, amino acids, betaine, choline, effects on 146. biosynthesis, S-aminolaevulinate synthase, mediation, betaine, stimulation, Pseudomonas dentirificars 6094. lilike compounds, corrinoids, tstrangrofes, biosynthesis, Clostridium 7779. production, betaine, stimulation, Pseudomonas dentirificans, association, protein biosynthesis 4401. production, corynebacterium 2641. production, croynebacterium 2641. production, growth conditions, optimization, Propionibacterium freudenreichi subsp. shermanii 2669. production, Propionibacterium, Propionibacterium shermanii, fermentation, whey 145.

145

yanocycline A, derivatives, antitumor activity, antimicrobial activity, Streptomyces

Cyanocycline A, (continued)
flavogriseus 2640,
inhibition, nucleic acids biosynthesis, antitumor activity, antibacterial
activity, Escherichia coli 1430. Cyanthus,

lignin biodegradation, straw 3653 Cyanuric acid,

biodegradation, soil microorganisms 1894.

Cyalthus, biodegradation, lignocelluloses, Triticum aestivum, Acer saccharinum 6948. Cyclamen persicum, soft rot, Erwinia carotovora subsp.carotovora isolation, pathogenicity 3843.

soft rot, Érwinia carotovora subsp.carotovora isolation, pathogenicity 3843.
Cyclic AMP,
dependent protein kinase, phosphorylation yeasts phosphorylase, comparison
phosphorylase kinase 896.
levels, Phytophthora megasperma f.sp.glycinea infection, Glycine max 2782.
regulation, biosynthesis, 1-4-B-D-xylanase, 1,3-6-D-glucanase,
1-6-B-D-glucanase, Bacillus circulans 6036.
3':5'-Cyclic-houlcotide phosphodiesterase,
activity, calmodulin stimulation, Neurospora crassa 2583.
Dictyotsellum discoideum, characterization 2590.
inhibitors, terferol structure, Streptomyces showdoensis 3567.
inhibitors, terferol, structure, Streptomyces showdoensis 3585.
Vibrio harveyi, thin-layer chromatography 3279.
3,5a-Cyclochoetatan-6,orl Isomerase,
purification, characterization, Moraxella 5196.
Cyclodextrinase,

3-,5--Cyclocholestan-6;-O-I Isomerase, purification, characterization, Moraxella 5196.
Cyclodextrinase, purification, characterization, Bacillus coalulans 1785.
Cycloheximide, treatment McCoy cells, + periodic-acid-Schiff stain, use, diagnosis isolation, Chlamydia trachomatis 3294.
Cyclohexone, reduction, Clostridium growth 1881.
Cyclomatudestrin glucanotransferase, immobilization, characterization, Bacillus 5191.
Klebsiella pneumoniae, use, preparation, cyclooctaamylose, methodology 6753. production, alkalophilic bacteria 7679.
Cyclooctaamylose, preparation, use, cyclomattodextrin glucanotransferase, Klebsiella pneumoniae, preparation, use, cyclomattodextrin glucanotransferase, Klebsiella pneumoniae, methodology 6753.
Cyclopaldic acid, isolation, Aspergillus ustus, N.M.R., characterization 6803.
Cycloplazonic acid, production, Aspergillus tamarii 221.
c-Cycloplazonic acid, production, Penicillium, Aspergillus 5370.
Cyclopatriae, Norardia asterrides antibiotic sensitivity testion 3090.

Cycloserine,
Nocardia asteroides antibiotic sensitivity testing 3090.

inhibition 3-ketodihydrosphingosine synthetase, Bacteroides livii 7472.

Cyclosporin A,
antifungal activity, Coccidioides immitts 1339.
antifungal activity, yeasts 8312.
antiviral activity, replication, poliovirus 2, cytomegalovirus (murine),
vesicular stomatilis virus, cell culture 8330.
biosynthesis pathway, Tolypocladium inflatum 7780.
Tolypocladium inflatum, synthesis 8625.
Cyclosporin H,
Tolypocladium inflatum, synthesis 8625.
Cydla pomonella,
biological control, granulosis virus, effects on nontarget organisms, pro

biological control, granulosis virus, effects on nontarget organisms, orchards

biological control, pest control, field trials, granulosis virus 4388. isolates, granulosis virus, use, pest control, Rhyconia frustrana 6892.

biological control, pest control, neit miss, granulosis virus 4-59s. isolates, granulosis virus, use, pest control, Rhyconia frustrana 6892. Cydonia, host plants, fireblight, reviews 7166. Cylindrocarpon, root rot, benomyl, PCNB, Ficus benjamina 8916. Cylindrocephalum, rot, Phaseolus aureus 5409. Cylindrocephalum, solation, Rumohra adiantiformis 5467. isolation, Rumohra adiantiformis 5467. plant disease, Eucalyptus, incidence, greenhouses 8942. Cylindrocladium crotalariae, plant disease resistance, Arachis hypogaea 8105. black rot, Arachis hypogaea, crop rotation effects on disease resistance 5490. black rot, idisease resistance, Arachis hypogaea 8105. black rot, iviliance, Arachis hypogaea 8105. black rot, virulance, Arachis hypogaea genotypes comparison, plant breeding 8084. black rot, virulance, Arachis hypogaea genotypes comparison, plant breeding 8084. root rot disease resistance plant breeding, Arachis hypogaea 1711. root rot, factors affecting, parachis eding, Arachis hypogaea 1711. root rot, factors affecting, parachis hypogaea 1742. Cylindrocladium heptaseptatum, post-harvest decay, prevention, benomyl, cold storage, Rumohra adiantiformis 8128. 8128

S128.

Cylindrociadium ilicicola, 
ilicicolin H, biosynthesis, structure 6567.

Cylindrociadium pteridie, 
post-harvest decay, prevention, benomyl, cold storage, Rumohra adiantiformis

8128 Cylindrocladium scoparium, stem canker, Eucalyptus grandis seedlings, disease control 6324.

infection, cytopathology, Odontoglossum ringspot virus, Cymbidium mosaic virus

Cymbidium mosalc virus, infection, cytopathology, Cymbidium 3823. Cynadon dactylon, stunt, Clavibacter gen.nov. isolates, characterization 6240. Cynodon dactylon,

pathogencity, Rhizoctonia solani, USA, North Carolina 3802. white rot, detritus effects on pathogenesis, fungi 8785.

Cynometra,
bark, nitrogen-fixing bacteria activity 8147.

Cyperus esculentus,
Puccinia canaliculata, biological control, characterization 1848.

Cypress plant breeding, disease resistance, canker, Seiridum cardinale 2870.

Cyprinus carplo, organs, spring virema of carp virus antigens detection, immunoperoxidasetest, fluorescent antibody test 5888.

Cyprofuram,

oros-resistance, metalaxyl, Phytophthora infestans, Pseudoperonospora cubensis, disease control, Solanum tuberosum, Cucumis sativus 2894.

Cystathionine γ-lysse, purification, methodology, characterization, reviews 4306.

Cysteine, ysusma, residues characterization, heme binding cytochrome P-450, Pseudomonas putida 910. residues, chemical modification, sarcosine oxidase, Conynebacterium 12. residues, free radicals chemical malification, role, gene 32 protein binding, DNA, C.D., fluorescence, phage T4 4259.

DNA, C.D., fluorescence, phage 14 4259.

LCystelne,
synthesis, racemization, enzymes, bacteria 4.
Cystle fibrosis,
clinical isolates, antibiotic sensitivity testing, Pseudomonas aeruginosa 9179.
clinical isolates, Pseudomonas aeruginosa, Pseudomonas cepacia, children,
antibiotic sensitivity testing, amikacin, antibiotic synergism, aztreonam,
piperaciliin, ibacreliin 3170.
sputum, bacteria quantification, media (selective) 7588.

reduction, antagonism, lactoperoxidase, thiocyanate, hydrogen peroxide, antibacterial activity, Streptococcus agalactiae 3058.

Cytarabine, incorporation, herpes simplex virus DNA, association, vidarabine drug resistance 3067.

Cytlaus scoparius, actinomizas, silviculture, nutrient uptake, plantations, silviculture, Pseudotsuga menziesii 8159.

Pseudotsuga menziesii 8169.

Cytochrome b,
reaction centers, purification, characterization, cell membranes, Chlorobium limicola t.sp.thiosulfatophilum 4253.

Cytochrome b2,
+cytochrome c complex, binding characterization, fluorescence, Hansenula anomala 661.

Cytochrome c,
affinity, cytochrome c oxidase subunits, Nitrobacter agilis 5990.
amino acid composition, Ustilago 869.
CYC1 gene, cloning, yeasts 819.
+cytochrome b2 complex, binding characterization, fluorescence, Hansenula anomala
861.

structural proteins, purification, characterization, solates, Heliothis armigera CYC1 gens, cloring, yeasts 618.

4-cytochrome to Zomplex, birding characterization, fluorescence, Hansenula anomable of Cytochrome to Zomplex, birding characterization, fluorescence, Hansenula anomable of Cytochrome to Zomplex, birding characterization, province of Cytochrome coxidase, electron transport, sodium content and sequence, Paracoccus dentificans, homology mitochondria soft content and sequence, Paracoccus dentificans, homology mitochondria soft content public effects on, formeritation optimization, ethanology, metals content, E.S.R., reviews, Saccharomyces cerevisiae 5180.

Cytochrome coxidase, electron machanisms, kinetics, thermophilic bacteria 7755.

Cytochrome coxidase, electron machanisms, kinetics, thermophilic observation, electron transport chain, multienzyme complexes, cell membranes, Tribocaling, redox proprietor, and the protection production, production, production, characterization, electron transport chain, multienzyme complexes, cell membranes, Tribocalinus versulus 7703.

Cytochrome e 2545, purification, characterization, electron transport chain, multienzyme complexes, cell membranes, Tribocalinus versulus 770

Cytogenetics, Verticillium albo-atrum wilt disease resistance, Medicago sativa 2884.

Cytokinina, Alternaria bro-autini wit disease resistance, medicago sativa 2894. Cytokinina, Alternaria brassiciola secretion, pathogenesis, leaves infection, Brassica 8028, blosynthesis, rhizosphere microorganisms, pH effects on, Pinus sylvestris 8161. content, Lycopersicon esculentum, tomato spotled wilt virus infection 4567.

comern, Lycapersauri each cock, methodology 1578.

Cytomegalovirus, antibodies, screening, blood donors, methodology comparison 2448. binding, erythrocytes, use, passive hemagglutination, methodology 643. detection, centrifugation, clinical isolates, monoclonal antibodies, methodology 843.

identification, tissue culture, monoclonal antibodies, fluorescence, staining, methodology 8441.

Cytomegalovirus, (continued) immunogiobulin G, quantification, enzyme-linked immunosorbent assay methodolog man 649.

man 649.
infection, diagnosis, chemiluminescence enzyme-linked immunosorbent assay 156
interferon, antiviral activity, cell culture, mice 2226
Cytomegalovirus (human),
antibodies, detection, complement fixation, enzyme-linked immunosorbent assay,
indirect fluorescent artibody test 1551.
antiviral activity, interferon 9121,
diagnosis, immunoglobulin M detection, enzyme-linked immunosorbent assay, ma
6742.

6742.

DNA, hybridization analysis, use, 2-acetylaminofluorene, enhancement, fluoresce probes, methodology 9282.
envelopes antigens, vaccines, immunity (cell-mediated), immunity (humoral), guinea-pigs 4072.
epilcation, antiviral activity, 9-(1,3-dihydroxy-2-propoxymethyl)guanine±
interferon 9115.

replication inhibition, D,L- $\alpha$ -difluoromethylomithine antiviral activity 4762.

replication, nucleosides, analogs, effects on 4022.

Cytomegalovirus (murine),
replication, antiviral activity, cyclosporin A, cell culture 8330.

replication, antiviral activity, cyclosporin A, Gall culture 6-30.

Cytophage,
endotoxins, humidifiers, textile industry, allergic alveolitis, man 1944,
lysis, Candida pseudotropicalis, Geotrichum candidum, single-cell protein
production 6815.

Cytoplasm, colactors, Methanobacterium thermoautotrophicum methanogenesis, membrane ve 9035 9035.
phenyilalanyi-IRNA synthetase, carbohydrate composition, comparison mitochondri
Saccharomyose cerevisiae 930.
Streptococcus mutans, proteins, electrophoresis 6806.
Cytoplasmic membranes,
inhibition, antibiotics antibacterial activity 9174.
proteins, Bacilius subtilis, purification, characterization 2555.
Saccharomyces overvisiae, structure, Bacilius subtilis baciliomycin, iturin A,
effects on 4886.

Cytoplasmic polyhedrosis virus, artiviral activity, poly (1:C), 2:5-digo(A), Bombyx mori islates 473. structural proteins, purification, characterization, isolates, Heliothis armigera

cattle, antibiotics administration, oscillations, and the control of the control

wastewater treatment, whey, immobilized enzymes, β-D-gallactosidase 58: Bairy products, agglutinins, staining, immunoassays, Streptococcus lactis 3718. detection, afatoxin 81, aflatoxin G1, screening methodology, Egypt 7064. proteolytic enzymes, fungi, dairy industry 199. psychrotrophic bacteria isolates, proteolytic enzymes 1057. shelf life, β-D-glucosidase activity effects on, Pseudomonas fluorescens

Staphylococcus contamination, India, public health 1056. ultrahigh temperature sterilization, heat inactivation,  $\alpha$ -amylase, Bacillus

Dairy products, (continued) stearothermophilus, Xanthomonas campestris 6974

stearothermophilus, Xanthomonas campestris 6974. **biry starters,**alcohol dehydrogenase activity, Streptococcus lactis 2576, ascholodehydrogenase activity, Streptococcus campestris 2576, aschology, microorganisms 5328, continuous culture, milk fermentation, yogurt production 6997, counting methods. ATP assays, milk, yogurt 6996, fatty acids, lipids, biosynthesis, fermentation, milk 7865, farmentation, quiucose, lactose, limiting factors, Streptococcus lactis 6994, farmentation, quiucose, lactose, limiting factors, Streptococcus lactis 6994, fermentation, quiucose, lactose, limiting factors, Streptococcus lactis 6994, fermented milk products, microorganisms 5329, ferezing, viability, Streptococcus cremoris 4450, fungi, cheese 6985, genetic engineering, lactic acid bactena 3696, inhibition, milk 7862. lac plasmid, transformation, protoplast fusion, Streptococcus lactis 8702, lac plasmid, transformation, protoplast fusion, Streptococcus lactis 8702.

inhibition, milk 7862.

Lac plasmid, transformation, protoplast fusion, Streptococcus lactis 8702. 
Lach acid bacteria, amines levels, milk 6962. 
Lach acid bacteria, cost-benefit analysis 4644. 
Lactic acid bacteria, port-benefit analysis 4644. 
Lactic acid bacteria, proteolytic enzymes 5346. 
Lauconostoc cremoris, aroma compounds production, mutagenesis, U.V. radiation, N-nitrose-N-methyl-N-nitroguanidine 1906. 
milk phosphate effects on phages contamination, Lactobacillus bulgaricus 3716. 
mutants selection, streptomycin, antibiotic resistance, Streptococcus 2730. 
Osspora lactis, ripening, cheese 6978. 
phage 646 (MLB) replication, Cheddar cheese production, Streptococcus lactis 4456. 

Addisonal reflection, streptom, cheddar cheese production, Streptococcus lactis subpaliation, characterization. Streptococcus lactis subpaliation, characterization. Streptococcus lactis subpaliation, characterization. Streptococcus lactis subpaliation, characterization.

phages infection, Isolation, characterization, Streptococcus lactis subsp.lactis 5337.

5337. Propionibacterium, cold temperature-sensitive mutant, mutagenesis, N-nitrosc-N-methyl-N-nitroguanidine 2729. Propionibacterium, fatty acid composition, relationship growth, cold 3699. proteolysis, temperature, effects on, cheese 1907. protoplasts production, use transformation, lactic acid bacteria 5952. (eviews 8710. Strains synergism, acid production 7866.

reviews 8710.

strains synergism, acid production 7866.

Streptococcus cremoris, inhibition, hypoxanthine, hydrogen, milk 7863.

Streptococcus cremoris, lactic acid production, growth, measuring techniques, dairy products 7867.

Streptococcus cremoris, prophages, DNA homology, lysis, phages 5335.

Streptococcus cremoris, proteinase deficiency, use Cheddar cheese production 2731.

wectors, nost range, Spiroplasma stunt, Mycopiasma busny stunt /960.

mmplng-off,
Beta vulgaris, biological control, Pythium oligandrum 8111.

Biological control, Agrobacterium radiobacter, extracellular polymers, polysaccharides, seed treatments, Lycopersicon esculentum 6309.

Cior aretorum, incidence, Rhizoctonia bataticola inoculum, mycelia, scierotia, soil 1976.

disease resistance, Philippines, Nicotiana tabacum 7179.

Fusarium avenaceum, disease control, soil pasteurization, Trifolium subterraneum 6301.

6901.

Medicago sativa seedlings, Pythium ultimum, Rhizoctonia solani, Fusarium roseum, proportional solani, Fusarium alta solani, Fusarium roseum, proportional solarium, proport

Pythiam attimum, biological control, use pyoluteorin, biosynthesis, Pseudomonas fluorescens 2888.

Pythiam utimum, Lepidium sativum seeds, biological control, Pythium oligandrum 974.

Pythium ultimum, Pisum sativum, disease control, use, Trichoderma viride - fungicides 338. ythium ultimum, Pythium irregulare, disease control, seed treatments, Brassica

Pythiun 8141 Rhizoctonia solani, host range, pathogenicity 282.
Rhizoctonia solani, suppression, fungi antagonists, composts, Raphanus sativus

Dapiramicin B, (continued)

sheath blight, Oryza sativa 4863

ermentation, antifungal activity, Micromonospora, taxonomy 2286 Dapsone,
drug resistance, leprosy, man, reviews 3023.
drug sensitivity testing, Mycobacterium leprae 4855.

effects on susceptibility, cowpea mosaic virus, infection, Vigna sinensis 6223, Dasypodidae, liver, Mycobacterium leprae infected, isolation methodology 5903.

Datisca,

Datisca, actinorhizas, Frankia, ultrastructure, nitrogenase, nitrogen fixation 2969. Datisca cannabina, actinorrhizas, Frankia, nodulation, biotyping 8158.

nitrogen fixation, Frankla 4594, nodulation, actinorrhizas, nitrogen fixation, nodules morphology 8151.

Datura metel

leaves histopathology, tomato mosaic virus 7168. potato virus Y, disease transmission, heredity, Myzus persicae, Aphis gossypii 3827 potato virus Y, histopathology, characterization 8864

Datura stramonium, leaves, lesions, potato virus X+mixed infection tobacco mosaic virus 288. ultrastructure, Euphorbia virus, infection, effects on 3817.

seeds oils, effects on Aspergillus parasiticus aflatoxins biosynthesis 3747.

Deucus carota, biodegradation, cellulase, pectinase 6538. damping-off, Rhizcotonia solani, pathogenicity 282. dieback, Pythium, disease control, fungicides 8116. seeds, Alternaria dauci persistent infection, fungicides, antifungal activity

Dautura innoxia,
Alternaria alternata leaf blight, tenuazonic acid isolation, association, characterization 5394. Daylength, effects on Glomus macrocarpus infection, Eupatorium odoratum, Guizotia abyssinica

Streptococcus cremoris, prochages, DNA homology, lysis, priessorial dairy products 7867.
Streptococcus cremoris, prochages, DNA homology, lysis, priessorial dairy products 7867.
Streptococcus cremoris, prochages, DNA homology, lysis, priessorial dairy products 7867.
Streptococcus cremoris, prochages contamination, reviews 210.
Streptococcus group N, autolysis, media (culture) carbon sources effects on 2733.
Streptococcus lactis, cream production, flavorings, milk, buffaloes 2736.
Streptococcus lactis, cream production, plasmids curing, temperature effects on, media (culture) 7864.
Streptococcus lactis, streptococcus cremoris, proteinase deficiency, temperature tolerance, acid production 2732.
Streptococcus lactis subspective flowers of the production of the

wood, potal environmenta Son Dechlorination, biodegradation, 2,4,5-T, methanogenic bacteria 6160. 6-chlor-N-ethyl-1,3,5-triazine-2,4-diamine, Rhodococcus corallinus 8691. Monilinia fructicola, synthesis 1953 Decilorubicin,

structure, Streptomyces virginiae 7459.

Pythium ultimum, disease control, efosite-Al, metalaxyl, mancozeb, Vitis vinifera

8122. oots infe n. Armillaria mellea, Picea rubens 8948

Decomposition, ash, soil microorganisms, acetic acid, acid production, ash, stabilization, soil properties 7300.

properties 7300.

carbon sources, soil microorganisms, biomass levels, factors affecting, soil analysis, clays 2335.

crop residues, soil microorganisms, hydraulics effects on percolation 7509.

fungi, Pinus leaves, saprophagy, food preferences, Porcellio scaber 2912.

teaf litter, forests, Canada 8933.

teaf litter, forests, Canada 8933.

litter fall, forests, Fagus sylvatica, Quercus petraea, British Isles 352.

litter, soil microorganisms, rain forests, tropical environment 7224.

litter, soil microorganisms, rain forests, tropical environment 7226.

Mycena galopus, Marasmius androsaceus, competition, Onychiurus latus grazing effects on, leaf litter, Picea sitchensis 8940.

organic matter, fungi, tropical environment, rain forests 2911.
organic matter, humification, mathematical models, soil microorganisms 5638.

straw, bacteria polysaccharides formation 6051.

Decontamination,

aflatoxin B1, ammonia+heat, corn 7889, aflatoxins food contamination peanuts meals, methodology, use methylamine+calcium

290. survival, seeds dispersal. Platypodium elegans 1240. Vigna unquiculata, fungicides disease control, herbicides soil applications effects on 2090. 

andeilon yellow mosalc virus, physiocochemical properties, transmission (mechanical), Lactuca sativa, Taraxacum officinale 2043. 

septramicin A, Micromonospora, biosynthesis, structure, disease control, Rhizoctonia solani, sheath blight, Oryza sativa 4863. 

septramicin B, Micromonospora, biosynthesis, structure, disease control, Rhizoctonia solani, sheath blight, Oryza sativa 4863. 

septramicin B, Micromonospora, biosynthesis, structure, disease control, Rhizoctonia solani, sheath blight, Oryza sativa 4863. 

Septramicin B, Micromonospora, biosynthesis, structure, disease control, Rhizoctonia solani, sheath blight, Oryza sativa 4863. 

Septramicin B, Micromonospora, biosynthesis, structure, disease control, Rhizoctonia solani, sheath blight, Oryza sativa 4863. 

Septramicin B, Micromonospora, biosynthesis, structure, disease control, Rhizoctonia solani, sheath blight, Oryza sativa 4863. 

Septramicin B, Micromonospora, biosynthesis, structure, disease control, Rhizoctonia solani, sheath of the properties of the

Defective mutant, (continued)
Streptomyces lactamdurans, cephamycin C, biosynthesis, characterization 8380

Defensive mechanisms, induction, disease control, rust 8102. hybroalexins induction, infection, Ceratocystis ulmi, Chrondrostereum purpureum, Conolus versicolor, Ulmus glabra 5500. Picea abies, mixed infection, [ps typographus, Ceratocystis, Norway 1237. Deficient mutant, processes, production, glucarol, ethanol, Saccharomyses cerevisiae.

alcohol dehydrogenase, production, glycerol, ethanol, Saccharomyces cerevisiae

3642. 3642. cellulase, Sporotrichum pulverulentum, lignin biodegradation, lignocelluloses

1886.

- lactamase, amoxicillin production, Pseudomonas melanogenum 3104, pyruvate kinase, aspartic acid production, Brevibacterium flavum 7681. pyruvate kinase, hysine production, Brevibacterium flavum 8527. pyruvic acid, Clostridium saccharolyticum, ethanol production 152. erfollation,

association ethanol levels, dieback, colonization, Armillaria mellea, Quercus velutina, Quercus alba 5586.

Degradation,

Degradation,
carbon sources, soil microorganisms, kinetics, models 2127.
Degradation products,
starch, use c-amylase assays, Aspergilius oryzae 7677.
Dehalogenation,
chioropicrin, Pseudomonas putida, biodegradation 6159.
pathways, aromatic compounds biodegradation, anaerobic bacteria 2701.
Dehydration,

resistance, sucrose lactose effects on, Saccharomyces cerevisiae 1047.

Dehydrocholic acid, reduction, 12-ketochenodeoxycholic acid synthesis, activity, NADH regeneration 6090.

Dehydrogenase, activity, dissolved oxygen effects on, activated sludge 4095. activity, fertilizer applications effects on, rhizosphere microorganisms, Oryza sativa 7297.

activity, oxygen, pH, temperature, nitrogen inorganic compounds effects on, soil B986.

BBIIII.
Saccharomyces cerevisiae, Curvularia lunata, Mortierella ramanniana, reduction, bicyclo(3.2.0]hept-2-en-6-one 5255.
soil microorganisms, herbicides effects on 8254.
16-Dehydropregnenolone, production, 16-dehydropregnenolone acetate fermentation, Streptomyces albus 6049.
16-Dehydropregnenolone acetate, lementation, 16-dehydropregnenolone, 16-dehydroprogesterone, Streptomyces albus 6049.

Dehydroprogesterone,
Mycobacterium aurum, biosynthesis, sterols biodegradation 946.
 Tebeydroprogesterone,
Mycobacterium aurum, biosynthesis, sterols biodegradation 946.
 Tebeydroprogesterone,
production, 16-dehydropregnenolone acetate fermentation, Streptomyces albus 6049.
 Pebydrogulmase,
purification, Schizosaccharomyces pombe 1800.
 Pelettom mutant,
analysis, Vibria cholerae toxins genes, nucleotide sequence, vaccines development 2327.
 Pelonix regle,
rot, epidemiology, Phellinus noxius 5590.
 Pelphacidae,
disease transmission, plant viruses 7130.

disease transmission, plant viruses 7130. disease transmission, viruses, mycoplasma-like organisms, Oryza sativa 7156. vectors, disease transmission, mycoplasma-like organisms, plant viruses 7157.

vectors, disease transmission, mycopiasma-like organisms, piant viruses / Dettamycin A, deepoxidation, products antibacterial activity 5789. production, Streptomyces halstedii subsp.deltae conversion carbomycin A, structure 5786.

Structure 5700.

Dettorin,
cell membranes, effects on, Micrococcus lysodeikticus 7355.

Dematophora necatrix,
root rot, horticulture crops disease resistance 2073.

2-Demethoxydehydro-griesofulvin,
stereochemistry, hydrogenation, Streptomyces cinerecorocatus 3112. disease control, Pythium aphanidermatum damping-off, Lycopersicon esculentum

Denaturation,
phosphatase, electrophoresis, Acholeplasma laidlawii 7707.
Dendroctonus ponderosse,
association, roots, plant diseases, pathogens+Cronartium ribicola blister rust,
Pinus monitoola, USA, Idaho 8182.

Pinus monecuse, very property of the property ethodology 639.

Infectivity assays, plaques formation, cell lines 8450.
sercepidemiology, hemolysis, detection antibodies, man 4996.
Dentirffication, acid rain, pollution effects, soil microorganisms 8245.
activated sludge 1473.
activated sludge 1473.
activated sludge 2345.
agricultural practices, reviews, crop fields 5671.
anaerobic conditions, soil 5670.
association, aeration, bacteria 1486.
bacteria, soil, association, Fague sylvatica 2991.
colonies, Eudyptes chrysolophus, Aptenodytes patagonicus 9003.
crops roots, flooded soils 2994.
dentirffying bacteria, fertilizers effects on, soils (podzolic) 8232.
dentirffying bacteria, firtilater reduction 1484.
fallowing, agricultural land, Trificum aestivum 2988.
films pH, rotating discs, wastewater treatment 2356.
gas production, nitrogen nitrous oxide ratio, crop fields, Hordeum vulgare 5672.
industrial effluents, wastewater treatment 2356.
gas production, nitrogen nitrous oxide ratio, crop fields, Hordeum vulgare 5672.
industrial effluents, wastewater treatment 2360.
simiazine, atrazine, dentirfying bacteria, soil 9002.
nitrifying bacteria, nitrification, soil 3966.

Denitrification, (continued)
nitrite reductase (cytochrome) reduction, nitrite, reviews, Pseudomonas
aeruginosa 7708.
nitrogen cycle, denitrifying bacteria, soil, reviews 4655.
nitrogen cycle, grasslands 5666.
nitrous oxide biosynthesis, in vitro, Rhizobium leguminosarum var trifolii 9020.
pathway, Bradryhizobium japonicum, bacteroids, in vitro, nodules, Glycine may

8995.

Thizosphere microorganisms, paddy fields, Oryza sativa 7284.

role nitrite, soil pH effects on 5673.

soil, cattle urine soil 2948.

soil density 5659.

soil microorganisms, nitrous oxide production, soil thawing 7285.

soil microorganisms, nitrous oxide production, soil thawing 7285.

soil microorganisms, nitrous oxide production, soil thawing 7285.

soil moisture, driying effects on, forests 8938.

soil, plantations, Hevea 6356.

temperature, effects on, soil microorganisms, soil 4672.

waste water, association, aeration, bacteria 1466.

waste water, Hyphomicrobium growth, methanol carbon sources 1492.

wastewater treatment, industrial effluents 8406.

wastewater treatment, industrial effluents 8406.

wastewater treatment, land disposal, munitions, industrial effluents 2338.

wastewater treatment, reviews, bibliographies 4908.

### Partitying bacteria.

wastewater treatment, land disposal, mundrons, industrial effluents 23:38.
wastewater treatment, reviews, bibliographies 4908.

Dentrifying bacteria,
activity, paddy fields 404.
2-aminobenzoate biodegradation, anaerobic conditions 6172.
bioreactors, dentrification, wastewater treatment 4107.
denitrification, anaerobic conditions, soil 5670.
dentrification, anaerobic conditions, soil 5670.
denitrification, alaricolic conditions, soil 5670.
denitrification, farilizers effects on, soils (podzolic) 8232.
denitrification, farilizers effects on, soils (podzolic) 8232.
denitrification, pas production, nitrogen nitrous oxide ratio, crop fields,
Hordeum vulgars 657.
denitrification inhibitors, sirnazine, atrazine, soil 9002.
denitrification, kinetics 1484.
denitrification, hirtogen cycle, soil, reviews 4855.
denitrification, pictosphere microorganisms, paddy fields, Oryza sativa 7284.
denitrification, soil denistry 5659.
denitrification, soil of misture, drying effects on, forests 8938.
denitrification, soil of misture, drying effects on, forests 8938.
denitrification, soil pariations, Heves 6356.
denitrification, soil pariations, Heves 6356.
denitrification, levels, continuous culture reactors, organic compounds, nitrite,
nitrate, effects on 660.

\*\*Pichococcus baciliaris, nitrogen removal, rotating discs, wastewater treatment,
industrial effluents, fertilizers 9236.

\*\*Demmark,\*\*

. industrial effluents, fertilizers 9236.

Denmark,

Drichslera teres, net blotch, yield, Hordeum vulgare 8782.

Solanum tuberosum, spraing disease resistance 8910.

Denaity gradients,
centrifugation, influenza A virus hemagglutinins isolation, bromelain cleavage
4994. centrifugation, methodology, isolation, protoplasts, Saccharomyces cerevisiae

9334: centiflugation, scrapie agent purification 4985. cesium chicride, ultracentrifugation, foot-and-mouth disease virus 6736. cesium chioride, viruses purification methodology 642. methodology, bacteria seperation, waste water populations 3269. potassium tarrate+glylecrol. separation techniques, viruses, feces, man 1555. freemodolugy, beateria special contentions of the potassium tarrate+glycerol, separation techniques, viruses, feces, man 1: Dental carles, bacteria, fluoridation effects on epidemiology, British Isles, children 7555. fluoridation, children 8431. incidence, drinking water, fluoride levels, children 6728. prophylaxis, endo-1,3-2-0-glucanase, animal models 4140. prophylaxis, fluoridation water treatment, children 7552. prophylaxis, fluoridation water treatment, children 7552. prophylaxis, fluoridation water treatment, children 7552. prophylaxis, fluoridation water treatment, children 7548. Pental mygliene, derital plaque, periodonitis, man 2422. Pental manipulation abrasion, punice, Adinetobacter contamination 7540, medical instruments, sterilization, bioassays, spores, Bacillus subtilis, Bacillus stearothermophilus 7545.

Bacillus stearothermophilus 7545.

Dental plaque,
antibiotic sensitivity testing, antibiotics prophylaxis, endocarditis, man 2252.
bacteria, antibiotic sensitivity testing 5753.
chiorhexidine, topical applications, mouthwashes, man 2425.
dental hygiene, pendodrititis, man 2422.
dental hygiene, pendodrititis, man 2422.
disease control, chlorhexidine mouthwashes, surgery, man 2423.
fluoride, effects on, streptococous mutans, growth, acid production 7554.
isolates, gram-negative bacteria, gram-positive bacteria, antimicrobial activity,
dyes, erythrosine, fluorescein 7533.
Lactobacillus, Streptococcus mutans, prophylaxis, sodium fluoride topical
application, cancer patients 6730.
oral hygiene effects on, maxilia surgery, man 6726.
removal, sucrose dietary intake effects on, man 4969.
staining, man 4968.

Dental restorative materials,
plastics, corrosion, Pseudomonas aeruginosa 4965.

Dental sealants,
dental cantes prophylaxis, cost-benefit analysis, man 6724.

dental caries prophylaxis, cost-benefit analysis, man 6724. Dentifrices, antibacterial activity 4966.

Dentistry, dyes, antimicrobial activity, gram-negative bacteria, gram-positive bacteria, dental plaque isolates 7553. sterilization, disinfection, asepsis, environmental hygiene 1519.

chlorhexidine mouthwashes, dental plaque, disease control, man 2424.

antimicrobial agents, sanitizers, bacteria, fungi 2420.

Deodorization, gases odors, wastewater treatment, industries 9248. industrial pollution odors, use peat 9232. sewage sludge odors, chemicals treatment 9247.

biological control, Metarhizium anisopliae inoculum production, factors affecting 5266.

5266.

"Deoxy-4"-sulfonamido-oleandomycin, derivatives, chemical modification, biological properties 3123. derivatives, chemical modification, biological properties 3123. derivatives, comparison, oleandomycin, erythromycin, antibacterial activity, Staphylococcus sureus 3121.

"Deoxy-Poth-eptulose-phosphate synthase, siolation, characterization, Bacillus pumillus 1766.
"Deoxy-Pothucose, effects on, replication, politovirus, vesicular stomatitis virus 9127. prevention, feedback inhibition, dextranase biosynthesis, Lipomyces starkeyi 4331. prevenuon, reedback innibition, dextranase plosynthesis, Lipothyues: 4331.

-Deoxy-D-manno-2-octulosonic acid, derivatives, lipopolysaccharides, Vibrionaceae 5200.

-Deoxy-D-threo-pentulose, biosynthesis, Bacillus pumilus extracts 5204.

-Deoxy-L-threo-pentulose, biosynthesis, Bacillus pumilus extracts 5204.

-Deoxy-L-threo-pentulose, biosynthesis, Bacillus pumilus extracts 5204.

-Deoxy-denosine, inhibition DNA biosynthesis, herpes simplex virus 6481.

-eoxycholic acid, induction, Clostridium absonum 4305.

-Pseudomonas biodegradation, anaerobic conditions 6154.

-eoxycoformycin, association, herpes simplex virus 1, mutants, drug resistance, association, herpes simplex virus 6481.

Deoxynivalenoi, food contamination, effects on body weight, food conversion, Salmo gairdneri 219. production, Gibberella zeae, ear rot, disease resistance, plant breeding, hybrids, Zea mays 1180.

-Peoxyniofrimycin, production, Bacillus subtilis 7471.

-Boxynibodhyrhmidine photolyase, purification, characterization, Escherichia coli 2622.

-Boxynibodhyribod

\*\*Treatment, Rickettisia prowazekii DNA purilication, chick embryos yolk sac 5033.

\*\*Pooxyuridine, derivatives, antiviral activity, herpes simplex virus 1, structure-activity relationships 4768.

\*\*each of triphosphetase, Acholeplasma laidlawii, purification, characterization 6845.

\*\*ematophilus congolensils, antigens precipitation, methodology comparison 1627.

\*\*ematophyte fungl, amino acids, antifungal activity, Trichophyton mentagrophytes, microsporum gypseum 9106.

\*\*ergosterol biosynthesis, inhibition, antifungal activity, bifonazole, clotrimazole 8314.

\*\*protoplasts, isolation, methodology 8483.

\*\*susceptibility methodology, ketoconazole, miconazole, clotrimazole, griseofulvin 1336.

\*\*arxive\*\*\* activity\*\* activity\*\*.

https://doi.org/10.1009/10.100

Atriplex gardneri, roots colonization, vesicular-arbuscular mycorrhizas, seasonal variations, environmental factors 385. ecological evaluation, vesicular-arbuscular mycorrhizas, USA, California 8222. plants, ectomycorrhizas, endomycorrhizas, Algeria 5621. soil microorganisms geographical distribution, USA, Arizona 7246. soil microorganisms, soil properties, soil temperature, ecological analysis 4623. esternovamine, bacteria, unnary tract, clinical isolates, susceptibility 4729. estecton, Phiprohium melliciti, viability, inoculum, soil salinity 4663.

Rhizobium meliloti, viability, inoculum, soil salinity 4663.

tolerance, Rhizobium soil isolates, nodulation, tropical environment, Vigna

kletrance, Rhizobium soil isolates, nodulation, tropical environment, Vigna unquiculata 8241.

sethiobiotin, conversion, biotin production, Rhizopus delemar 964.

setomycln, antibiotic resistance, genes, cloning, Streptomyces 1314.

seuffobacter,

+Chlorobium limicola f. sp. thiosulfatophilum, mixed culture, calcium sulfate, sulfate, conversion sulfur 5693.

seuffotomeculum, spores, heat resistance, food industry 7030.

seuffotomeculum nigrificans, endodexyribonuclease (apurinic), purification, characterization 6668.

euthovibrio cellulolyticus+Methanosarcina barkeri mixed culture, cellulose degradation, methanogenesis 2186.

\*\*ACSTRUCTIO CHILIUS/ILCUS\*\* MINITERIO SALITIA DELINET TIME CALLATO, CONTROL CHILIUS CONTROL C

3984.

seutrovibrio africanus,
biodegradation, pulp mills, effluents 1467.
ferredoxin multiple forms, E.S.R., C.D. 3407.
seutrovibrio desulfuricans,
cytochrome c3, purification, methodology 5163.
hydrogenase immobilization, activity 6837.
tetrapyrroles biosynthesis, reviews 4380.
seutrovibrio vulgarla,
bactericidal activity, sodium tetraborate, 2,4-dinitrophenol 3057.

Deautfovibrio vulgaria, (continued) cytochrome c3 hydrogenase secondary structure, X-ray crystallography 2625. mixed culture, methanogenic bacteria, immobilized cells, methanogenesis, sucrose conversion 2182.

Detergents, antibacterial activity, Escherichia coli, milk residues, pH, effects on 9264. biodegradation, alkyl sulphatase, purification, characterization, Pseudomonas 4343.

http://ungi.biodegradation, estuaries, freshwater environments 1037. proteolytic enzymes, bacteria 47. resistance, Enferobacteriaceae 7339. solubilization African swine fever virus antigens, inactivation, vaccines,

immunity, pigs 1452 Detoxification,

blood, Escherichia coli asparaginase, immobilized enzymes, bioreactors 2575. captan, glutathione biosynthesis, resistance, Botrytis cinerea 8297. chlorinated hydrocarbons, microorganisms, genetic engineering 4089. 12-chlorodehydroabietic acid, industrial effluents, pulp mills, Mortierella isabellina 2706.

sationima 2700. mercury, resistance, bacteria, clinical isolates, reviews 9071. methodology, aflatoxins, food contamination, Gossypium hirsutum seeds meals 7081. mycotoxins, food contamination, feeds contamination 7893. polysorbate, media (culture), Leptospira 9321. relationship pisatin tolerance, Nectria haematococca 431. waste treatment, genetic engineering, microorganisms, research programs 4088.

Detritus

Detritus, lignocelluloses, biodegradation, bacteria, fungi, salt marshes sediments 6171. white rof fungi, effects on pathogenesis, Cynodon dactylon, Eremochioa ophiuroides, Poa pratensis, Stenotaphrum secundatum 8785. 2-Deutrein-2-cytolhexen-1-one, reduction, Clostridium growth 1881. 3-Deutrein-2-cytolhexen-1-one, reduction, Clostridium growth 1881. Deutrein oxtide, effects on hydrolysis, substrates, kinetics, β-lactamase, Bacilius cereus 4278.

effects on Basidiomycetes biodegradation coconuts fibers 1031, fungal flora, Fagus sylvatica, association, natural pruning 2105.

Developing countries,

agricultural products, aflatoxins detection methodology 216. agricultural wastes, composting 4097. agricultural wastes, composting 4097. agriculture, bittechnology 318 ding, Solanum tuberosum 2874. sewage siludge, solid wastes, composting 5835.

temperature, association, pathology, Botryosphaeria vaccinii latent infection, Vaccinium macrocarpon 8041.

Dextran, association, activation, dextransucrase, Leuconostoc mesenteroides 5993. hydrolysis, dextransse, bacteria, sucrose production, industries 53. + mitomycin C conjugates, antibacterial activity regeneration 455.

- mitornycin C conjugates, antibacterial activity regeneration 435.

Dextranses,
bacteria, dextra hydrolysis, sucrose production, industries 53.
bacteria, fungi, isolation, characterization 5138.
biosynthesis, feedback inhibition, prevention, 2-deoxy-D-glucose, D-glucosamine,
Lipomyces starkeyi 4331.
biosynthesis, Penicillium aculeatum, characterization 7741,
fungi, hydrolysis, polysaccharides. Streptococus 8679.
immobilized enzymes, use, dextransucriase purification, mutants, Leuconostoc
mesenteroides 5147.
kinelics, relationship, substrates molecular weight, Flavobacterium 8574. kinetics, relationship substrates molecular weight, Flavobacterium 8574. purification, characterization, Flavobacterium 2615.

Dextrans,

beatrains, biodegradation, enzymatic activity, Leuconostoc mesenteroides 7818. biosynthesis, industrial applications, reviews, Leuconostoc 8617. polyethrylene glycol, solutions, two-phase systems, separation techniques, conidia, sporangiospores, fungi 8489.

Dextransucrase, activation, association, dextran, Leuconostoc mesenteroides 5993. activation, association, dextran, Leuconostoc mesenteroides 5993. biosynthesis, Leuconostoc mesenteroides 924. biosynthesis, Leuconostoc mesenteroides 1744. biosynthesis, Leuconostoc mesenteroides 1747. biosynthesis, Leuconostoc mesenteroides 5975. multiple forms, purification, characterization, proteolysis role, electrophoresis, Streptococcus sanguis 6045. purification, use dextranase, immobilized enzymes, mutants, Leuconostoc mesenteroides 5147. Di-pl-yaylcapreomycin, and the company of the com

Syntrasis, aimbarene authorises.

Syntrasis, aimbarene authorises.

Special Diacetoxyscirpenol, corn food contamination, screening, use, Tetrahymena pyriformis 7055.

Fusarum, detection, grain, Egypt 7089.

Fusarum coeurum, feeds contamination, feeding behavior, chickens 7896.

Dialeurodes city.

Special Spec

biological control, Aschersonia aleyrodis 3565.

Dlalysis, continuous culture, fermentation, vegetables, lactic acid bacteria 2740, disinfectants, disease control, peritonitis, clinical trials, man 6721. U.V. radiation, decontamination, disease control, peritonitis, man 6718. (4;6-Dlamilon-2-phenylindole)-fluorochrome, staining, Cryptococcus neoformans, phagocytosis, microscopy 2524. 2;6-Dlamino-9/2-hydroxyethoxymethyl)purine, antiviral agents, radioimmunoassay methodology 2435. conversion, 9/2-hydroxyethoxymethyl)guanine production, adenosine deaminase, Escherichia coil 902.

Diaminopimalic acid, contents, Streptomyces clavuligerus aspartate kinase defective mutant, antibiotics biosynthesis 2257. α, ε-Diaminopimelic acid, levels, soil, bacteria biomass 5614.

Dianthus caryophyllus, protoplasts, carnation mottle virus infection 285

Didymella applanata, (continued)
infection barriers, Rubus idaeus, histology 8015.
infection, Rubus, phenols levels 5454.
Didymella bryoniae,
ascospores incidence, Cucumis sativus, fruit rot, stem rot 278.
stem blight, Cucumis, benzimidazoles, resistance 1223.
transmission (seed), seed-borne diseases, Cucurbitaceae 8036.
Didymella lycopersici,
stem canker, disease control, solar radiation, Lycopersicon esculentum 2847.
Dieback,
Amiliaria luterbubalina, electrical impedance, Eucalyptus obliqua, Eucalyptus Diaporthe helianthi, infection, Helianthus annuus, stem canker, leafspot, USA, Texas 3839. antibiotics treatment, relationship Escherichia coli, antibiotic resistance, man 3034.
bacteria detection methodology, man 5921.
Escherichia coli isolates, children, identification, enterotoxins production association, hybridization analysis 1934.
neonates, pigs, clinical isolates, Escherichia coli, antibiotic sensitivity testing 5758.
Shipella dispage control association, weter supplies analysis 7550. Stem canter, disease control, solar radiation, Lycopersicon esculentum 2847, Dieback,
Armiliaria lufeobubalina, electrical impedance, Eucalyptus obliqua, Eucalyptus globulus subsp. bicostata 2117.
Botryodiplodia theobromae, pathology, Pyrus pyrifolia 8807.
Colonization, Armiliaria mellea, association defoliation, ethanol levels, Quercus velutina, Quercus alba 5586.
Eucalyptus marginata, disease control, Phytophthora cinnamomi 8170.
Eutypa armeniacae, Vitis vinifera, Prunus armeniaca, spores dispersal 1152.
Phytophthora cinnamomi, Eucalyptus tetradonta, standa 359.
Pinus sylvestris, association nutrient dynamics 5601.
Pythium, fungicides, disease control, Daucus carota 8116.
tobacco mosaic virus, tobacco ringspot virus, enzyme-linked immunosorbent assidetection, Fraxinus americana 8951.
wound infection, Cytospora, pruning, Prunus persica 8805.
Dieffenbachia maculata,
Myrothecium roridum leafspot, temperature effects on 6255.
Phytophthora mexicana stem rot 1154.
rot, Erwinia chrysanthemi 5447. Shigella, disease control, association, water supplies, sanitation 7529. Dlaryl methylphosphonetes, structure-activity relationships, antifungal activity 3885.

1,4-Dlaryl-2-methylpyrrole-3-carboxylate, synthesis 3169.

1,5-Dlaryl-2-methylpyrrole-3-carboxylate, synthesis 3169.

1,4-Dlarylpyrole, synthesis, antibacterial activity 3171.

1,5-Dlarylpyrole, synthesis, antibacterial activity 3171.

Dlarylsulfides, antibacterial activity 3171.

Dlarylsulfides, antibacterial activity 7362.
 areticin-2-one containing, diazetidin-2-onyl containing, antibacterial activity 9102.

Dlarylsulflones. rot. Ethinichysanthemi 5447.

Dietary Irriake,
aflatovins, effects on energy utilization, proteins utilization, ducks 3721.
safety, mycotoxins contamination, man, reviews 7045.
sucrose, effects on dental plaque removal, man 4969.
Diettyl phrhalate,
biodegradation, aquatic microorganisms 7837.
biodegradation, aquatic microorganisms 7837.
biodegradation, avopolisics, inhibition, exudates, aquatic microorganisms 8687.
induction mutation, Aspergillus flavus, characterization, effects on aflatoxins
biosynthesis 7084.

Diettylether,
+ Tween 80, influenza A virus disruption 4076. Diarylsultiones, antibacterial activity 7362. azetidin-2-one containing, diazetidin-2-onyl containing, antibacterial activity 9102.

Diatraea saccharalis,
biological control, pathogenicity, Metarhizium anisopliae 6908.

Diazaquinomycin A,
structure 3167.

Diazaquinomycin B,
structure 3167.

Diazatidino-zonyl,
containing diaryisulfides, diaryisulfones, synthesis, antibacterial activity
one. 9102.
6-Diazo-5-oxo-L-norleucine, effects on, replication, poliovirus, vesicular stomatitis virus 9127.
synthesis, Streptomyces ambofaciens 1443.
Dibokacin, antihadraid anti-Diffusion teats, measuring techniques, antibody response, Aspergillus fumigatus 2533. methicillin resistance, Staphylococcus aureus 4712. Diffueion tests,
measuring techniques, antibody response, Aspergillus fumigatus 2533.
methicillin resistance, Staphylococcus aureus 4712.
Digestibility, urea treatment, sheep 1067.
Digestion (serobic),
animal wastes, soxygenation 4108.
industrial effluents, breweries, Candida 6701.
manure, effects on nutritive value, feeds, chickens 6201.
pigs animal wastes, storage, anaerobic conditions, digestion (anaerobic) 7507.
sewage sludge, indicator species mortality, temperature 1485.
sewage sludge, indicator species mortality, temperature 1485.
waste treatment, industrial wastes, microorganisms 547.
waste treatment, lagoons, landfills leachates 7516.
Digestion (anaerobic),
acetic acid, methanogenesis, inhibition, 2-bromoethanesulfonate 7524.
agricultural wastes, pathogens reduction, Fusarium oxysporum, Corynebacterium michiganense 6390.
animal wastes-cettluose, cattle 7513.
animal wastes, cattle 7505.
animal wastes, conversion, electricity, methanogenesis, othanol production 5275.
animal wastes, methanogenesis, reactors design, methane use 5699.
animal wastes, methanogenesis, reactors design, methane use 5699.
animal wastes, pigs 670.
acetral inhibition, methanogenesis, methanogenic bacteria 9036.
biomass, methanogenesis 5820.
biomass retention 4122.
bioreactors, design, reviews 1488.
bioreactors, design, reviews 1488.
fermentation kinetics, methane production, 3197.
Citrus, wastewaster treatment 4110.
chordeurium dischora 250.
industrial effluents, distilleries, methanogenesis 2185.
fermentation kinetics, methane production, bioreactors 4404.
fermenters, methane production, bioreactors 4404.
fermenters, methane production, bioreactors 4404.
fermenters, methane production, bioreactors and 400.
industrial effluents, distilleries, methanegenesis 2185. 6-Diazo-5-oxoriorleucinė, synthesis, Streptomyces ambofaciens 1443.

Dibokacin, antibacterial activity, clinical isolates 7444. antibacterial activity, clinical isolates, gram-negative bacilli, Streptococcus, Staphylococcus 6541. bacterioidal activity, antibacterial activity, clinical isolates 6540. comparison, antibiotic K-4619, antibacterial activity 7479.

Diborachiophene, biodegradation, bacteria, reviews 7825. oxidation, Sulfociobus acidocaldarius 8675. oxidation, Sulfociopropane, antimicrobial activity, soli microorganisms 1325.

Dibornochioropropane, disease control, Chronemella xenoplax, effects on Fusarium, Pythium, roots 19burly phthelitet, biodegradation, Prunus persica 7164.

Dibuty phthelitet, biodegradation, Prunus persica 7164.

Dicarboximides, antifungal activity, resistance, Aspergillus nidulans, Cladosporium cucumerinum, Penicillium italicum 8296.

1,5-Dichioro-1 H-pytrol-2-yl-2,6-dihydroxyphenyl ketone, Pseudomonas fluorescens biosynthesis, soil, use biological control, damping-off, Pythium ultimum 2888.

3,4-Dichloro-11-pytrol-2-yl-2,6-dihydroxyphenyl ketone, Pseudomonas fluorescens biodegradation, pacteria, fungi 6947. pioneorepanis, and proportional funcional termentation kinetics, methane production, bioreactors 4404. fermenters, methane production 420. industrial effluents, olip mills, Clostridium butyricum 3204. industrial effluents, pulp mills, Clostridium butyricum 3204. industrial wastes, methanogenesis, use, aquaculture, Basidiomycetes culture 84 leaves, extracts 1070. manure, pigs, thermophilic bacteria, mesophilic bacteria, methane production 7503. fumigation, effects on soil microorganisms, crop fields 5681. 7523.
mathematical models, wastewater treatment 9235.
mesophilic bacteria, animal wastes, methanogenesis 7517.
methane biosynthesis, energy resources, reviews 8271.
methane, measuring techniques, equipment 7503.
methane production 4116.
methane production, bioreactors 3557.
methanogenesis, anialysis, monitoring 5698.
methanogenesis, animal wastes, cattle 7504.
methanogenesis, biomass, nitrogen sources effects on, Ulva, Gracilaria tikvahie 6396. antifungal activity, spore germination, Aspergillus nidulans 1222. pesticide resistance, Sclerotium cepivorum 5529. Dictyol F, Dictyota dichotoma, characterization, antimicrobial activity 3068.

Dictyotatellum discoldeum,
calmodulin amino acid sequence, structure-activity relationships comparison
cattle 5992. cattle 5992.

3':5-cyclic-nucleotide phosphodiesterase characterization 2590. plasma membranes, isolation methodology 4224, protein kinase, purification, characterization 3455. protein kinase, purification, characterization 7723. proteinase, purification, characterization 2595.

Dictyostellum mucoroides, solitude, USA, Rocky Mountains 387. Dictyostellum spheerocephalum, soli, environmental effects, altitude, USA, Rocky Mountains 387. Dictyostellucharbame. 6396.

methanogenesis, bioreactors design, methane quality 5700.
methanogenesis, bioreactors effluents, wastewater treatment 5827.
methanogenesis, books 5840.
methanogenesis, books 5840.
methanogenesis, tood processing, industrial wastes, use food drying, +solar radiation 7489.
methanogenesis, food processing wastes, Beta vulgaris 6891.
methanogenesis, food processing wastes, Coffea arabica 7515.
methanogenesis, food processing wastes, Coffea arabica 7515.
methanogenesis, industrial effluents, moltasses frementation 8401.
methanogenesis, industrial effluents, moltasses frementation 8401.
methanogenesis, industrial effluents, moltasses frementation 8401. Soli, environmenta enecus, anatucie, och, recontrollario del Dictyota dichotoma, dictyol F, epidictyol F, characterization, antimicrobial activity 3068. Didymella spalpanata, disease resistance, inheritance, Rubus idaeus 3869.

gestion (anaerobic), (continued)
methanogenesis, lignocelluloses, crop residues 5696,
methanogenesis, mature, reactors design 5824,
methanogenesis, mathematical models, monitoring 5702,
methanogenesis, methanogenic bacteria 5821,
methanogenesis, methanogenic bacteria 5821,
methanogenesis, methanogenic bacteria 5821,
methanogenesis, methanogenic bacteria 5823,
methanogenesis, methanogenic bacteria 9233,
methanogenesis, path, tyrioriysis, aerobic bacteria, bioreactors 7303,
methanogenesis, sevage studges+ Spirutiin maxima biomass 1293,
methanogenesis, sevage studges+ Spirutiin maxima biomass 1293,
methanogenesis, sevage studges+ Spirutiin maxima biomass 1293,
methanogenesis, sevare studges+ Spirutiin maxima biomass 1293,
methanogenesis, sevare studges+ Spirutiin maxima biomass 1293,
methanogenesis, variantement, immobilized cells, manure, chickens 7518,
methanogenesis, wastewater treatment, stemblized cells, manure, chickens 752,
methanogenesis, stemblized cells, stemblized cells, manure, chickens 752,
methanogenesis, stemblized Dihydrolipoamide dehydrogenase, (continued) arsenoxide inhibition, Escherichia coli 3522. subunits, amino acid composition, Pseudomonas putida, comparison Escherichia coli 6831.

Dihydrolipoamide succinyitransferase,
+ xxoglutarate dehydrogenase (lipoamide) + dihydrolipoamide dehydrogenase
multienzyme complexes, mechanisms, kinetics, Escherichia coli 7699,
+ xxoglutarate dehydrogenase (lipoamide) + dihydrolipoamide dehydrogenase
multienzyme complexes, thiocite acid localization, electron microscopy.

Escherichia coli 7702.

Dihydromethylenomycin A,
cleavage, structure 7476.
Dihydrostptomycin,
sterilization, radiation 1378.
4-Dihydrostporate B. Dihydrostreptomycin, sterilization, radiation 1378.

4-Dihydrotrisporate B, Blakesia atrispora, biosynthesis 1849.

9-[(1,3-Dihydroxy-2-propoxy)methyl]-guanine, -interferon, inhibition DNA biosynthesis, herpes simplex virus 2 6480.

9-(1,3-Dihydroxy-2-propoxymethyl]-guanine, -interferon, inhibition DNA biosynthesis, herpes simplex virus 1, herpes simplex cells on, macromolecules biosynthesis, herpes simplex virus 1, herpes simplex offects on, macromolecules biosynthesis, herpes simplex virus 1, herpes simplex offects on, macromolecules biosynthesis, herpes simplex virus 1, herpes simplex virus 1, herpes simplex virus 1, herpes simplex offects on, macromolecules biosynthesis, herpes simplex virus 1, herpes simplex virus 2, herpes simplex virus 1, herpes simplex virus 2, herpes simplex virus 1, herpes simplex virus 2, herpes simplex virus 1, herpes simplex vir Dikaryons, monokaryons, recombination, Typhula incarnata, infectivity, Hordeum vulgare 2788. Uromyces appendiculatus, comparison, monokaryons, virulence, Phaseolus vulgaris Diketo piperazine, chemical modification, bicyclomycin synthesis 8371. Diluents, viability, Escherichia coli, Salmonella typhimurium, Staphylococcus aureus, effects on 5073. Ditution, methodology, Haemophilius isolation, lung, pigs, slaughter 2463. Ditution tests, aminoglycoside antibiotics, Pseudomonas aeruginosa 1408. antibiotic sensitivity testing, bactericidal activity, Staphylococcus aureus. temperature, effects on, methanogenesis, Methanothrix, Methanosarcina 3980. Trichoderma reesel, organic acids production, biomass 3417. waste treatment, glucose, bicarbonate, aceitic acid, effects on 3191, waste treatment, industrial wastes, methanogenesis, microorganisms 547. waste treatment, marure, cattle 9226. antibiotic sensitivity testing, clinical isolates, laboratories, comparison 483. antibiotic sensitivity testing, methodology, comparison, gram-negative bacteria waste treatment, manure, cattle 9226.
waste treatment, mass spectroscopy, monitoring, methanogenesis 1458.
waste treatment, methanogenic bacteria, fluorescence, monitoring 4104.
waste treatment, microorganisms, methodology, books, conferences 8500.
wastes, methanogenesis 5831.
wastewater treatment 6881.
wastewater treatment 6885.
wastewater treatment 6885. 762.1
antibioric sensitivity testing, Mycoplasma, animal isolates, chickens 3087. antibioric tolerance, oxacillin, comparison, Staphylococcus aureus 6435. comparison, agar diffusion test, bactericidal activity, azlocillin, ficarcillin, Pseudomonas aeruginosa 4841. drug sensitivity testing 2238 measuring techniques, use, autoSCAN-3 3049. micromethods, Staphylococcus, antibiotic resistance, use sodium chloride containing Mueller-Hinton agar 3012. oxacillin resistance, Staphylococcus 4713. limetization. wastewater treatment /520.

wastewater treatment, animal wastes, pigs 7521.

wastewater treatment, biodegradation, toxicity, pulp mills, industrial effluents, methanogenic bacteria 6669.

wastewater treatment, bioreactors 4921. wastewater treatment, boreactors, mathematical models 558.
wastewater treatment, inerhanogenesis, industrial effluents, food industry 8405.
wastewater treatment, methanogenesis, inhibition, phenol, aromatic compounds
4680. Dimerization,
4-hydroxy-2-oxoglutarate aldolase, phosphoric acid, Escherichia coli 1789. Dimers. beet curly top virus, isolation, characterization 3241.

Dimethioate, antimicrobial activity, soil microorganisms 1325.

1-(2,4-Dimethoxybenzyl)-4-methoxycarbonyl-3-phthal-imido-2-azefidinone, chemical modification, enhancement, antibacterial activity 3115. wastewater treatment, Methanosarcina barkeri 4123.
wastewater treatment, monitoring, computer applications, mathematical models 6705. wastewater treatment, Methanosarcina barkeri 4123.
wastewater treatment, reviews, bibliographies 4907.
wastewater treatment, role Eichhornia crassipss 4106.
wastewater treatment, role Eichhornia crassipss 4106.
wastewater treatment, role Eichhornia crassipss 4106.
wastewater treatment, ulater removal 4899.
wood biodegradation, energy resources, batch culture, microorganisms 3655.
gestive tract.
Culicinomyces clavisporus infection, ultrastructure, histopathology, biological control, larvae, Anopheies 2653.
gitaria pentzli,
Guil walis degradation, rumen microorganisms 4428.
(3,4-Dihyroxybuty)guarine,
antiviral activity, thymidine inhibition, herpes simplex virus 1, kinetics 460.
2-Dihydro-a-santonin, prodogenation, stereochemistry, fermentation,
Streptomyces cinereocrocatus 5245.
3-Dihydro-2-santonin, prodogenation, stereochemistry, fermentation,
Streptomyces cinereocrocatus 5245.
3-Dihydro-2-santonin, romatical production, a-santonin hydrogenation, stereochemistry, fermentation,
Streptomyces cinereocrocatus 5245.
3-Dihydro-2-santonin, prodogenation, stereochemistry, fermentation,
Streptomyces cinereocrocatus 5245.
3-Dihydro-2-santonin,
production, cross-reactivity, aflatoxin B1 3740.
4-Dihydro-4-ox-1-β-napthyridine-3-carboxylic acid,
derivatives, synthesis, structure-activity relationships 784.
hydrofoliae synthetaes,
purficiation, characterization, Nelsseria gonorrhoeae 5183.
hydrofoliae synthetaes,
purficiation, characterization, Nelsseria gonorrhoeae 5183.
hydrofoliae acid,
analogs, synthesis, antibacterial activity, Streptococcus faecium, Lactobacillus casei 6447.
hydrofoliae setate,
poudegradation, Pseudomonas incognita 6957.
prodegradation, Pseudomonas incognita 6957.
hydroflopamide devidrogenase (ipoamide), dihydrolipoamide dehydrogenase complex activity, histidine residues role, p-{ (bromoacetyl)-amino]phenyl
arsenoxide inhibition, Escherichia coli 3522.
hydroflopamide dehydrogenase (lipoamide) + dihydrolipoamide acetyltransferase multineryme complexes, hiciocia caid localization, electron microscopy,
Es Dimethyl sulfoxide, identification chloride peroxidase substrates, Caldariomyces fumago 904. Dimethyl sulfoxide reductase,
Saccharomyces cerevisiae, methionine sulfoxide inhibition, wort 6941.

Dimethyl 2-methyl-3-oxosuccinic acid,
reduction, methyl 2-methylmalates biosynthesis, Saccharomyces cerevisiae, Candida
albicans 3561. albicans 3561.

Dimethyl 3-benzyloxycarbonylaminoglutaric acid,
hydrolysis, bacteria, enzymes stereoselectivity, production, precursors,
carbapenems, negamycin 2308.

3,10-Dimethyl-10-He-britacole(4,3°:2,3] as-triazino-{5,6-b]Indole,
anthyrial activity, herpes simplex virus 1 4029.

7,12-Dimethylbenz| ajanthracene,
Cunninghamella elegans metabolism, metabolites analysis 424.

7,12-Dimethylbenz| ajanthracene-trane-3,4-dlihydrodlol,
analysis, 7,12-dimethylbenz[ajanthracene metabolism, Cunninghamella
elegans 424. analysis, 7,12-dimethylbenz(a)anniracene metabolism, Cunningnamelia elegans 424.
7,12-Dimethylbenz(a)anthracene-trans-8,9-dihydrodiol, analysis, 7,12-dimethylbenz(a)anthracene metabolism, Cunninghamella elegans 424. Directly phenylarsine,
Candida humicola, identification methodology 3359.
Dinitrogenase reductase,
inactivation, characterization, Rhodospirillum rubrum 1774. 2,4-Dinitrophenol, bactericidal activity, Desulfovibrio vulgaris 3057. biodegradation, ozonation, wastewater treatment 1480. 2.4-Dintrosalicyclic acid, assays, sugars, lignocelluloses hydrolysis 8680. 2.4-Dintroluene, conversion, wastewater treatment, activated sludge 7493. Diocyti phthalate, biodeterioration, Bacillus 2723. Dioryctria amatella, biological control, Bacillus thuringiensis 8645.

Dioscorea,

Fusarium solani infection, effects on diosgenin levels 7172.

Disease control, (continued)

Cronartium quercuum f.sp.banksianae rust, use, 2-iodobenzanilide, benomyl, Pinu Dioscorea alata, cytopathology, Dioscorea ring mottle virus, Togo 3828. leatspot, Colletotrichum, factors affecting yield 4588. Dioscorea ring mottle virus, 3916.
crown gall, conferences 848.
crown gall, streptomycin, CGA 78039, rootstocks, Malus pumila 342.
crown gall, streptomycin, vancomycin, CGA 78039, Malus pumila 343.
cyanamide, plants, seedlings, infection, Rhizoctonia solani, Pithium debaryanum, 3886. cytopathology, disease transmission, Aphididae, host range, Dioscorea alata, Togo 3828. syanamide, plants, seedlings, infection, Rhizoctonia solani, Pithium debaryanum 386.
damping-off, downy mildew, seed treatments, Brassica 8141.
disease spraed, quarantine, plant diseases 193.
disinfection, medical equipment, medical supplies 1517.
downy mildew, Peronosclerospora sorghi, Sorghum bicolor, Zea mays, foliar applications, metalaxyl, efosite-Al 8126.
downy mildew, Peronosclerospora sorghi, Sorghum bicolor, Zea mays, seed treatments, metalaxyl, efosite-Al 8144.
Dutch elm disease, Ulmus, Ceratocystis ulmi 5606.
Epichiole hyphina infection, Festruca anundinacea, seed treatments 8119.
ergot, Pernisetum americanum, pollen management 1990.
Envinia amylovora fire blight, Pyrus communis, legislation 5463.
Erwinia cardvovra, blackleg, Solanum tuberosum tubers, heat treatments 1195.
Erysiphe gramnins is, bronde, powdery mildew, avirulent strains, inoculation, hordeum vulgate 2066.
Erysiphe polygoni infection, Pisum sativum 8107.
Festuca arundinacea, blight, Rhizoctonia, fungicides 8172.
fireblight, host plants, reviews 7166.
fungi, soil amendment, sewage sludge composts, crops 5488. Dioscorea rotundata, oxalic acid levels, fungi infection 6281. Diosgenin, levels, Dioscorea, Fusarium solani infection effects on 7172. Dioxidine, cell membranes, effects on, Staphylococcus aureus, Micrococcus lysodeikticus 2,4-Dioxohexahydro-1,3,5-triazine, antivital activity, potato virus X 4775. inhibition, soil microorganisms 3970. inhibition, soil microorganisms 3970.

Dipeptides,
antimicrobial activity 9142.
peptide synthesis, B-chloro-D-alanine, propargylglycine, containing,
antibacterial activity 4736.
Diphyae robinloides,
leaves, fungi inocculation, phytoalexins production 5519.
Diplocarpen rosae,
black spot, disease resistance, plant breeding, Rosa 8096. black spot, disease resistance, plant breeding, Rosa 8096.

Diplotola,
fruit rot, pathogenicity 7162.

Diplotola macrospora,
diplosporin biosynthesis, radioactive labelling 3744.

Diplotale natalensis,
post-harvest decay, Citrus sinensis, polygalacturonase characterization 7198.
stem rot, post-harvest decay, oranges, disease control, fungicides 5470.

Diploidy,
determination methodology, Saccharomyces 9333.

Diplosporin,
biosynthesis, radioactive labelling, Diploidia macrospora 3744. nungi piam giseases, tungicides foilar applications, Glycine max, USA, Georg 8118.
fungi, soil amendment, sewage sludge composts, crops 5488.
fungicides, Allium capa, bulb rot, Botrytis alii 326.
fungicides, Allium capa, bulb rot, Botrytis alii 326.
fungicides, Alternaria macrospora infection, Gossypium barbadense, yield association 321.
fungicides, Anternaria tenuis albinism, Citrus seedlings 1219.
fungicides applications, Lollium perenne, seeds yields 8108.
fungicides, Botrytis cinerae, shoot blight, Pistadia vera 2896.
fungicides, fungl infection, Triticum aestivum, yield, USA, Idaho 7951.
fungicides, fusarium culmorum, susceptibility, Gramineae 2895.
fungicides, Malus, powdery mildew, Podosphaera leucotricha 5516.
fungicides, Mycosphaeralla fijensis, plant diseases, Musa sapientum, Musa paradisiaca 8914.
fungicides, plant diseases 1215.
fungicides, post-harvest decay, oranges, stem rot, green mold 5470.
fungicides, resistance, phytopathogenic fungi, mathematical modeis, plant diseases 431
fungicides, tomatoes, post-harvest decay, Geotrichum 1168. biosynthesis, radioactive labelling, Diplodia macrospora 3744.

Diprotins,
Bacillus cereus, isolation, physicochemical properties, structure 6804. Bacilius Certus, isolation, physicochemical properties, shubule 6504. 
Dipalide test, bacteriuna, detection 7574. 
Dipitera, disease transmission, public health, solid wastes, bacteria, fungi, viruses 2361. 
Disacchardea, Herrapophido binding, lysozyme, effects on tryptophan residues, fluorescence, Herrapophido binding, lysozyme, effects on tryptophan residues, fluorescence, 1824. 
Herrapophido binding, lysozyme, effects on tryptophan residues, fluorescence, 1824. 
Herrapophido binding, lysozyme, effects on tryptophan residues, fluorescence, 1825. 
Herrapophido binding, lysozyme, effects on tryptophan residues, fluorescence, 1825. 
Herrapophido binding, lysozyme, effects on tryptophan residues, fluorescence, 1825. 
Herrapophido binding, lysozyme, effects on tryptophan residues, fluorescence, 1825. 
Herrapophido binding, lysozyme, effects on tryptophan residues, fluorescence, 1825. 
Herrapophido binding, lysozyme, effects on tryptophan residues, antibiotic sensitivity testing, ceptalosporns, clinical isolates, bacteria 4819, antibiotic sensitivity testing, potency, association, quality control 7421, antibiotic sensitivity testing, potency, association, quality control 7421, antibiotic sensitivity testing, bacteria, canalysis 479, antibiotic sensitivity testing, tiezerlilin-clavulanic acid, bacteria, clinical isolates 5774. 
Heacteria, use, Mueller-Hinton agar 3077. 
Cefamandole, antibiotic resistance, gram-negative bacilli 8292. 
detection, Staphylococcus aureus, methicillin, antibiotic resistance 7346. 
Incomycin production, Streptomyces lincolnensis 7445. 
Herrapophidos production, Streptomyces lincolnensis 7445. 
Herrapophidos production, bacteria, standardization, quality control 3073. 
Herrapophidos production, bacteria, standardization, quality control 3074. 
Potri dishes, antibiotic sensitivity testing, bacteria, factors affecting 2245. 
Herrapophidos production, bacteria, standardization, quality control, Pseudomonosa aeruginosa aziocillin antibiotic resistance 7346. 
Herrapophidos production, bacteria, Dipslide test, bacteriuria, detection 7574. diseases 439 (Ingicides, tomatoes, post-harvest decay, Geotrichum 1168, Fusarium culmorum infection, Lollum perenne, use, calcium peroxide, comparisor carbendazim, drazoxolon 1203. Gossypium hirsutum, root rot, Phymatotrichum omnivorum, soil temperature+ wat potential 8009. gram-negative bacteria contamination, Gossypium, climatic conditions effects on 48.520. 4532.
Hemelia vastatrix, leaf rust, Coffea, cuprous oxide, cupric hydroxide 8123.
Humulus lupulus downy mildew, Pseudoperonospora humuli, comparison, diseas resistance cultivars, pruning, fungicides, reviews 1170.
insecticides, Myzus persicae, vectors, potato leaf roll virus infection, Solanum tuberosum 2065.
leaf bloth, Septoria tritici, Triticum aestivum, powdery mildew, Erysiphe graminis, Hordeum vulgare, use, antitranspirants 291.
leafspot, Arachis hypogaea, Cercospora arachidicola, Cercosporidium personaturanspirant plant diseases 1216. learspot, Aracris hypogaea, Cercospora arachidicola, Cercospondium personatur 3793.

management, plant diseases 1216.
mancozeb, Raphanus sativus, white rust, downy mildew 2902.
mastitis, correlation, cow's milk, pencillin, quantidotur, artibacterial activity. Stapholococcus, Streptococcus 5773.

Stapholococcus, Streptococcus 5773.

material stapholococcus, Streptococcus 5773.

melon necrotic spot virus infection, Cucumis sativus 6314.
metalaxyi, Theobroma cacao, pod rot, Phytophthora palmivora 5526.
molds, Gramineae, reviews 5430.
mucor, postharvest decao, tomatos 5472.
Mucor, postharvest decay, tomatoes 5472.
Mectria cinnabarina canker, benomyl, Gleditsia triacanthos var.inermis 3915.
nosocomial infection, epidemiology, hospitals, environmental hygiene 1521.
papaya post-harvest decay, hot water 5469.
parenterial nutrition, man 2419.
pathogens, design, laboratories 1523.
pathogens, disease transmission, occupational hazards, laboratories 1522.
Periolillium, post-harvest decay, lemons 1167.
Perionistis, U.V. radiation, decontamination, dialysis, man 6718.
Peronoscierospora sorghi downy mildew, Sorghum bicolor, crop rotation, tillage \*\*Disease Control,

Disease control, Acremonium coenophialum infection, Festuca arundinacea, seed treatments 1227. agricultural practices, biological control, plant diseases 1188. Agrobacterium tumerladens, crown gall, salicylic acid, acetylsaicylic acid, Aleyoddae, vectors, yellow mosaic virus, plant diseases, Phaseolus aureus 3878. Aleynoddae, vectors, yellow mosaic virus, plant diseases, Phaseolus aureus 3878. Alemaria tenuis, Lobeiia erinus, seed treatments, steam 2062. ammonia, Phymatotrichum omnivorum, root rot, Gossypium hirisutum 5523. antifungal agents, Plasmodiophora brassicae, clubroot, disease resistance, Brassica 8912. antiseptics, surgery, environmental hygiene, hospitals 1518. Ascochyta bijint, Cicer arietinum, fungicides 3883. Ascochyta rabiel bilght, Cicer arietinum, fungicides 3883. Ascochyta rabiel, disease transmission, Cicer arietinum seedilings, benomyl, thiabendazole 1969. bacteria speck, manoczeb+cupric hydroxide, Lycopersicon esculentum 6310. Phoma betae infection, seedlings, Beta vulgaris 8851. phytoalexins inducers, Helminthosporium oryzae brown spot, Oryza sativa seedlin 3887. hytopathogenic fungi, crop residues, composting 2842.
Phytophthora cinnamomi, dieback, Eucalyptus marginata 8170.
Phytophthora cinnamomi, seedlings immersion, water temperature, Pinus radiate 7219. 7219. Phytophthora fragariae infection, use, fumigation, comparison, fungicides drenches, Fragaria 1182.
Phytophthora parasitica root rot, Lycopersicon esculentum, metalaxyl, sulfadoxin 5532. baciena speck, mancozeb+cupric hydroxide, Lycopersicon esculentum 6310. benomyl, Sclerotinia, crown rot, stem rot, Medicago sativa 5527. blight, Xanthomonas campestris pv.malvacearum, β-lactam antibiotics, Gossypium hirsutum 6315. Flytophthore parasitics from the cycopersicon escuential, instanayi, sunacount 5532, plant diseases, cost-benefit analysis, research programs 1192. plant diseases, mathematical models 1105. plant diseases, phytopathogenic fungi, Glycine max, pesticide applications association rainfall 1220. plant diseases, plant breeding, books 1692. plant diseases, plant viruses, tissue culture 5397. plant diseases, plant viruse, tissue culture 5397. plant diseases, action plant 2211. powdery mildew, tungicides, Turkey 337. Prunus, fungicides, new records 339. Prunus avient of migration virus mosaic disease, enzyme-linked immunosorbent as use, Prunus avien, USA, Washington 3812. public health, environmental hygiene, conferences 1501. Pyricularia oryzae, blast, oxyfetracycline, streptomyclin, Oryza sativa 7215. blue stain, Pinus caribaea var.hondurensis wood 6331. canker, Botryosphaeria dothidea, benomyl, pruning, Malus pumila, USA, Georgia 3900. canker, Pseudomonas syringae pv.morspunorum, fatty acids copper salts, Prunus cerasus 344. captalol, blight, Coffea arabia 4590. Carya ilinoensis veins spot, Gnomina nerviseda, funigicides 1137. Citrus reticulata, fruir tro, Botryodipiodia theobromae 5525. coffee berry disease, Coffea arabica, fungicides, Colletotrichum coffeanum 5517. Colletotrichum gloeosponiodies, rot, Vitis rotundifolia 9006. composts, soil-borne diseases, Rhizoctonia, ornamental plants 6300. composts, soil-borne diseases, Rhizoctonia, ornamental plants 6300.

sease control, (continued) Pythium aphanidermatum damping-off, Lycopersicon esculentum, benomyl, demosan, Pythum aphanidermatum damping-off, Lycopersicon esculentum, benomyl, demosal captan 1228.

Pythum ultimum damping-off, Fusarium solani f.sp.pisi root rot, use, Trichoderma vinder-hungicides, Pisum sativum 338.

Nitize-tungicides, Pisum sativum 338.

Nitize-tungicides, Pisum sativum 3531.

Nitize-tungicides, Pisum sativum 5531.

Neburgicides, Structure-activity relationships, Gossypium hirsutum 5531.

Neburgicides, Structure-activity relationships, Gossypium hirsutum 5531.

Neburgicides, Structure-activity relationships, Gossypium hirsutum 5531.

Neburgicides, Structure-activity productionships, Structure-activity relationships, Gossypium hirsutum 5531.

Neburgicides, Structure-activity structure-activity productionships, Structure-activity phorates, Pisumanus Structure-activity phorates, Structure-activity phorates, Pisumanus Structure-activity phorates, Pisumanus Structure-activity phorates, Pisumanus Pisumanus

Selerotinia scierotiorum, white mold, canopies effects on, Phaseolus vulgaris 7930.
seed treatments, fungicides, leaf rust, stripe rust, triticum aestivum 2904.
seewago sludge, soil amendment, crown gall, Rubus 310.
sheath blight, Rhizoctonia solani, berzyloxypyridazines, Oryza sativa 5534.
soil amendment, fungicides, Solanum tuberosum, plant diseases, Globodera mostochiensk, Verticilium dahliae 8121.
soil pasteurization, Trifolium subteraneum, damping-off, root rot, Fusarium avenaceum, Pythium 6301.
soil-borne diseases, phytopathogenic fungi, soil amendment, sewage siudge composts 3101m late blight, Phytophthora infestans, use, ofurace controlled-release granules 2867.
soila radiation, Lycopersicon esculentum, stem canker, Didymella lycopersici 2847.

2847. solar radiation, Plasmodiophora brassicae clubroot, Brassica oleracea, Brassica rapa 292. solar radiation, soil-borne diseases, Macrophomina phaseolina, Sclerotium rolfsii

rapa 292.

solar radiation, soil-borne diseases, Macrophomina phaseolina, Sclerotium rolfsii 2845.

2845.

stalk rot, Erwinia chrysanthemi, klorocin, Zea mays, tissues, persistence 8929, streek, role, resistance association Eriophyes tuilpae, Trificum aestivum 8075, suppressive soils, phytopathogenic fungi, soil-borne diseases 332.

triadimeton, powdery mildew, Triticum aestivum, correlation disease resistance plant breeding, Erysiphe graminis 5502.

Verticilium dahilae infection, use, irrigation+metam+sodium, Solanum tuberosum, effects on yield 1209.

Vigna unquiculata damping-off, fungicides, herbicides soil applications effects on 2090.

Vittis vinifera powdery mildew, sulfur applications 340.

witt, Ceratocystis fimbriata, disease resistance, rootstocks, pruning, Brazil, Mangifera indica 5440.

Xanthomonas campestris pv.maivacearum, blight, Gossypium hirsutum, reviews 3846.

zease reservoirs, crop residues, Fusarium graminearum, overwintering, stalk rot, USA, Minnesota, Zea mays 7967.

Fusarium orysporum blight, weeds, Glycine max 8770.

hop stunt disease virus plant diseases, Humulus lupulus, epidemiology 4545.

Phakopsora pachyrhizir, rust, host range, host alternation, Leguminosea 7940.

soil, colonization Beauveria bassiana, Metarhizium anisopilae, biological control, Curculio caryae 5263.

soil-borne diseases, Corynebacterium michiganenses subsp.michiganense, canker, crop residues, Lycopersicon esculentum 8872.

sativus 8763.
Taraxicum officinale, tomato ringspot virus, stem pitting, Prunus persica, USA, Pennsylvania 8811.

sesse resistance, Agrobacterium tumefaciens crown gall, plant breeding, Vitis amurensis, × Vitis vinifera 8906.
Agrobacterium tumefaciens crown gall, screening, plant breeding, inheritance, Vitis amurensis × Vitis vinifera 8908.

Accounts infection harder vallow dwarf virus, wheat streak mosaic virus.

Agrobactenum turnetaciens crown gall, screening, plant breeding, inheritance, Vitis amurensis× Vitis vinifera 8908. 
Agropyron, infection, barley yellow dwarf virus, wheat streak mosaic virus, genetic control 8089. 
Albugo candida, association inheritance Ac7 locus, Brassica napus 2854. 
Arachis hypogaea, Aspergilius flavus infection, cultivars comparison 7086. 
Arachis hypogaea cultivars germplasm, peanut mottle virus infection 8061. 
Arachis hypogaea cultivars germplasm, peanut mottle virus infection 8061. 
Arachis hypogaea, Cylindrocladium crotalariae black rol, crop rotation effects on 5490. 
Arachis hypogaea, Cylindrocladium crotalariae root rot, plant breeding 1171. 
Arachis, leafspot, Cercospora arachidicola 5491. 
Ascochyta pinodella blight, inheritance, plant breeding, Pisum sativum 5477. 
Ascochyta pinodella blight, inheritance, plant breeding, Cicer arietinum 8093. 
Boateria, ring rot, Solanum tuberosum 4559. 
Barley yellow dwarf virus, inheritance, plant breeding, Avena sativa× Avena sterilis 8072. 
Barley yellow worsti virus, plant breeding, Hordeum vulgare 4569.

sterilis 8072.
nariey yellow mosaic virus, plant breeding, Hordeum vulgare 4569.
nariey yellow mosaic virus, cutivars, Phaseolus vulgaris 1208.
nomentrus, plant breeding, crops 2867.
nakedleg, Erwinia carotovora subsp.atroseptica, screening projects, solanum
tuberosum 5483.
light, Xanthomonas campestris pv.malvacearum, plant breeding, Gossypium hirsutum

2832: ligiht, Xanthomonas campestris pv.manihotis, Elsinoe brasiliensis infection, plant breeding, cultivars, Manihot esculenta 5497. Bottytis allii rot, plant breeding, Allium cepa 5479. Brassica, antifungal agents, disease control, clubroot, Plasmodiophora brassicae

8912

8912.

Avena sativa, Erysiphe graminis f.sp.avenae powdery mildew 307.

Avena graminis f.sp.avenae powdery mildew 307.

Avena graminis f.sp.avenae powdery mildew 307.

Avenae f.sp.avenae f.sp.avenae

Disease resistance, (continued)

Cicer arietinum, plant breeding, blight, Ascochyta rabiei 3865. Citrus, overwintering, Phytophthora citrophthora 5509.

Cladosporium cucumerinum, cell walls hydroxyproline levels, lignin deposition, Cucumis sativus 7205.

Offee berry disease, Colletotrichum coffeanum, plant breeding, Coffee arabica

2873 otrichum corchorum, X radiation, seed treatments, Corchorus capsula

Colletotrichum demalium, anthracnose, inheritance, Lycopersicon esculentum 2851. Colletotrichum lagenarium anthracnose, Fusarium oxysporum wilt, plant breeding, cultivars, Citrulius lanatus 8905. components, Septoria nodorum glume blotch, Triticum aestivum seedlings 302. compounds, antifungal activity, Ceratocystis ulmi, butch elm disease, Ulmus americana 366.

Corynebacterium insidiosum wilt, Medicago sativa, effects on phosphorus uptake 3879.

3879.

Cronartium quercuum f.sp.fusiforme, fusiform rust, necrosis uttrastructure, embryos, Pinus taeda 362.

Cronartium ribicola, rust, virulence strains, Pinus monticola, USA, Oregon 8949. cross-protection, induction resistance, reviews, plants 5484. cucumber mosaic virus, plant breeding, Nicotana tabacum, Taiwan 5480. Cucumis melo germplasm, Fusarium oxysponum f.sp. melonis infection 313. cultivars, Humulus lupulus, downy mildew, disease control, reviews 1170. damping-off, Philippines, Nicotana tabacum 7179. downy mildew, Pernonspora parasitica, turnip mosaic virus, genetic analysis, seedlings, Brassica campestris 2855. downy mildew, plant breeding, cultivars, Lactuca sativa 8901. Drechslera oryzae, brown spot, Oryza sativa seedlings, heavy metals satis effects on 2077.

on 2077.

Dutch elm disease, blister rust, canker, plant breeding, Ulmus, Pinus, Cypressus

sempervirens 2870.

sempervrens 2870.

ear rot, Gibberella zeae, screening projects, Zea mays 4580.

Erwinia amylovora, fireblight, plant breeding, cultivars, Pyrus communis 8062.

Erwinia carotovora soft rot, plant breeding, germplasm, Solanum tuberosum 7210.

Erwinia carotovora subsp, atroseptica, blackleg, Solanum tuberosum 2025.

Erwinia carotovora subsp, atroseptica, blackleg, Solanum tuberosum 2025.

Erysiphe gramlinis f.sp, hordei, powdery mildew, correlation enzyme polymorphism, plant breeding, Hordeum spontaneum 7209.

Erysiphe graminis f.sp.hordei, powdery mildew, plant breeding, Denmark, Hordeum vulgare 2880.

Erysiphe graminis f.sp.tritici powdery mildew, plant breeding, Triticum aestivum 8067.

Erysiphe graminis f.sp.tritici, powdery mildew, Triticum dicoccoides 5415. Eucalyptus, rust, Puccinia psidii 5594. Festuca arundinacea inheritance, Drechslera sorokiniana infection 6290.

Festuda arundinatosa inneritantos, precisiera socionalina limetecimo 16290. fungli, bacteria, viruses, plant breeding, Glycine max 5473. Fusarium moniliforme, seeds infection, plant breeding, Zea mays 8074. Fusarium oxysporum 1sp, elaedis, wilt, plant breeding, Elaels guineensis 2871. Fusarium oxysporum 1sp, elaedis, wilt, plant breeding, Elaels guineensis 2871. Fusarium oxysporum 1sp, vasinfectum, wilt, terpenoids, roots exudates, Gossypium hirsutum 8863.

nirsutum 8883.
Fusarium root rot, selection, plant breeding, Trifolium pratense 6292.
Fusarium roseum, dry rot, tubers, Soianum tuberosum 8826.
Fusarium wilt, Meloidogyne infection, plant breeding, Lycopersicon esculentum

2864 Fusarium wilt, Solanum tuberosum 1146. fusiform rust, Cronartium quercuum f.sp.fusiforme, density effects on, Pinus elliotiti 8187.

fusiform rust, Cronartium quercuum f.sp.fusiforme, seedlings, Pinus elliotii

2921.
gene frequency, plant breeding, Hordeum vulgare 2863.
genes, host-pathogen interactions, pathogenicity genes, Erysiphe graminis,
powdery mildew, Hordeum vulgare 2861.
genes, host-pathogen interactions, races, Puccinia graminis, Puccinia recondita,
virulence genes, plant breeding, Triticum aestivum 2858.
genes, Lactuca sativa, host-pathogen interactions, virulence genes, Lactuca

genes, Lactuca sativa, nost-pamogen interactions, virtuence genes, Lactuca sativa 2840, genes, linkage analysis, Lactuca sativa 5474, genes, plant breeding, Phaseolus vulgaris, halo blight, Pseudomonas phaseolicola 5481.

"S481," genetic analysis, Avena sativa, crown rust, Puccinia coronata f.sp.avenae 3868. gemplasm, plant diseases, plant breeding 1185. Gibberella zese, ear rot, zearalenone, 4-deoxynivalenol, production, plant breeding, hybrids, Zea mays 1180. Gladiolus, com rot, Fusarium 2063. glume blotch, Septoria nodorum, plant breeding, Triticum aestivum 2833. glume blotch, Septoria nodorum, plant breeding, Triticum aestivum 2833. Glycne max. Cercospora sojina leafspot, Rcs gene 1172. Gnomonia leptostyla, anthracnose, relationship, 5-hydroxy-1,4-naphthoquinone, hydrouglone glucoside, Jugtans nigra 3855. Heliminthosporium carbonum, suppression, Heliminthosporium maydis inoculation, Zea

Heiminthosporum caronoum, suppression, Heiminthosporum mayus inoculation mays 1169. Hemiliela vastatrix, leaf rust, genotype-environment interactions, host-pathogen interactions, plant breeding, Coffea arabica, Coffea canephora 2872. Hemiliela vastatrix rust, plant breeding, Coffea arabica 6289. Heterobasidion annosum, fertilization effects on, Picea abies, Pinus sylvestris

o 109.

Hordeum, powdery mildew, Erysiphe graminis 5501.

Hordeum vulgare, barley yellow dwarf virus effects on, Pyrenophora teres net biotch, Rhynchosporium secalis leaf biotch 1196.

Hordeum vulgare, Erysiphe graminis infection, periote control 2067.

Hordeum vulgare, powdery mildew, genetic analysis, plant breeding association

8081.

Hordeum vulgare races, Puccinia hordei host range 1995.

horticulture crops, Dematophora necatrix root rot 2073.

host-pathogen interactions, epidemiology, plant breeding, crops 2866.

Humulus lupulus, Verticilium albo-atrum colonization 7207.

inducers, plant diseases, phytopathogenic lungi, bacteria, plant viruses 4571.

induction, Bremia lactucae downy mildew, Lactuca sativa 308.

induction, inoculation, avirulent Erysiphe graminis f.sp.hordel, mildew, Hordeum vulgare 3882.

inheritance, Botrytis cinerea, Didymella applanata, plant breeding, Rubus idaeus 3869. 3869.

inheritance, Bremia lactucae downy mildew, Lactuca sativa, field trials 303. inheritance, Cicer aretinum, Fusarium oxysporum f.sp.ciceris will 298. inheritance, Lycopersicon, Phytophthora nicotianae f.sp.nicotianae, foot rot, root rot 296.

Disease resistance, (continued)
a plant breeding, tropical environment, long-term effects, crop protection, agricultural ecosystems 1177.
plant breeding, USA, crops 2879.
plant breeding, Vigna unguiculata 898.
plant breeding, Yelpan Vigna unguiculata 898.
plant breeding, Yelpan Vigna unguiculata 898.
plant breeding, Zembia, Triticum aestivum 2977.
plant breeding, Zembia, Triticum aestivum 2977.
plant breeding, Zembia, Triticum aestivum 2977.
plant diseases, plant breeding 1187.
plant diseases, plant breeding 1187.
plant diseases, plant breeding 1187.
plant diseases, plant breeding 1189.
plant viruses, plant, interferion like compounds 4573.
plant viruses, plants, interferion like compounds 4573.
plant viruses, Solanum, plant breeding 2837.
plant viruses, Solanum, plant breeding 2837.
plant viruses, Solanum, plant breeding 2837.
Populus, Melampsora medusae liefaction, light, temperature effects on 360.
Populus Intermuloides, stem canker, Hymphoxylon mammatum 8174.
potato virus M, Solanum gourlayi, inheritance 6294.
potato virus M, Solanum gourlayi, inheritance 6294.
potato virus M, Solanum gourlayi, inheritance 6294.
potato virus M, Solanum gourlayi, inheritance 1949.
powdery mildew, Erysiphe cichoracearum, host-pathogen interactions, inheritance, plant breeding, Curcurbita moschata 3862.
powdery mildew, Erysiphe graminis f.sp.hordei, plant breeding, germplasm, Hordeur spontaneum 5496.
powdery mildew, Erysiphe graminis f.sp.hordei, plant breeding, germplasm, Hordeur spontaneum 5496.
powdery mildew, Sphaerotheca pannosa var.persicae, genetic analysis, Persica 4570.
powdery mildew, Sphaerotheca pannosa var.persicae, genetic analysis, Persica 4520. Disesse resistance, (continued) inheritance, Plasmodiophora brassicae clubroot, Brassica napus, Brassica oleracea inhertance, Plasmodiophora brassicae clubroot, Brassica napus, Brassica olera inhertiance, Puccinia polysora rust, Zoa mays 6071. Inhertance, Puccinia polysora rust, Zoa mays 6071. Inhertance, Puccinia polysora rust, Zoa mays 6071. Interferon like proteins, plants 6288. KAbatiella cauliwora, scorch, varieties, plant breeding, Medicago 6291. Ieaf rust, inhertance, plant breeding, seedlings, Secale cereale 8907. Ieaf rust, inhertance, plant breeding, Secale cereale 8907. Ieaf rust, inhertance, plant breeding, Secale cereale 8907. Ieaf rust, Triticum aestivum, genetic control 2054. Ieaf streak, Mycosphaerella fijlensis, plant breeding, Plantago major 8077. Ieawse Cladospornium caryigenum, nost-pathogen interactions, Cladosporium caryigenum, scab, Carya Illinoensis 3814. Ieawse, observation methods, Sorghum 5426. Linum usitatissimum, Melampsora lini rust, India 3875. Lycopersicon esculentum, alfalfat mosaic virus interdion 309. maize dwarf mosaic virus infection, Zea mays, genetic control 2838. maize dwarf mosaic virus, infection, Zea mays, genetic control 2838. maize dwarf mosaic virus, transfer, genetic analysis, Zea mays 4584. maize dwarf mosaic virus, transfer, genetic analysis, Zea mays 4584. Maius pumilia, Vertirus inaequalis scab, plant breding 2835. Medicago sativa, anthracnose, menacia virus, trensfer, perentians, Phytophthora megasperma 8887. Medicago sativa, plant breeding, Phytophthora megasperma 8887. Medicago sativa, plant breeding, Phytophthora megasperma 8887. Medicago sativa, plant breeding, Phytophthora megasperma 8888. Mentho piceria stems, Verticillium dahliae distribution 7204. Medicago sativa, lutrastructure, host-pathogen interactions, Phytophthora megasperma 8888. 
Mentha piperita stems, Verticillium dahliae distribution 7204. 
Musa, sigatoka, piant breeding, Mycosphaerella fijiensis var.difformis 3870. 
mutagenesis, Xarithomonas campestris var.oryzae Xarithomonas campestris oryzae, 
Oryza sativa 5475. 
Oryza sativa, leaf scald, Phynchosporium oryzae 5504. 
Oryza sativa, sheath blight, Rhizoctorias solari 7147. 
pathogenicity, Fusarium roseum, Cladosporium cucumerinum, lignin deposition 7206. 
pepper mottle virus, Capsicum annuum, pepper mild mottle virus infection, new records 4566. 4570.
powdery mildew, sporulation, measuring techniques, selection, plant breeding, Secale cereale 2827.
powdery mildew, virulence, host-pathogen interactions, plant breeding, Hordeum vulgare 2862.
proteinase inhibitors, phytoalexins, plants 8900.
protoplasts, plant viruses, plant breeding 3766.
Pseudocercosporella herpotrichoides, cytopathology, histopathology, Triticum aestivum 7976.
Pseudocercosporella herpotrichoides eye spot, genes, Aegliops ventricosa, transfer, Triticum aestivum 8078.
Pseudomonas glycinea, Glycine max leaves, hypersensitive response 319.
Pseudomonas solanacearum, wilt, cross-resistance, Meloidogyne, Solanum soarsioilum 8097. Phaeolus schweinitzii infection, Coniferales callus culture 2826.

Phaeolus vulgaris, clover yellow vein virus infection, inoculation methodology effects on 8103. Prasadous vulgaris, cover yellow vein vitus infection, indication metiloobudy effects on a 103.

Phaseolus vulgaris genotypes, web blight, Phizoctonia microsclerotia 8060.

Phaseolus vulgaris, phacotonia solani, role cutilica 1174.

Phaseolus vulgaris, Phizoctonia solani, role cutilica 1174.

Physophatopenic fungi, host-pathogen interactions, genotype-environment interactions, plant breeding, crops 2865.

Phytopathogenic fungi, host-pathogen interactions, plant breeding, Vitis vinifera, Coffea, Cocos, Ficus carica 2869.

Phytopathogenic fungi, Triticum aestivum, antifungal activity, alka-2,4-dienal, a-triticene, B-triticene 6305.

Phytophthora cryptogea root rot, Alternaria carthanae leaf blight, plant breeding, Carthamus tinctorius 6296.

Phytophthora cryptogea root rot, Alternaria carthanae leaf blight, plant breeding, Carthamus tinctorius 6296.

Phytophthora infestants haustoria, callose growth, tubers, Solanum tuberosum 20 Pseudomonas solanacearum, wilt, cross-resistance, Meloidogyne, Solanum sparsipilum 8091. Pseudomonas sylingae pv.tomato, plant breeding, cultivars, Lycopersicon esculentum 1179. Pseudomonas syringae tabaci wildfire, Alternaria alternata brown spot, inheritance, plant breeding, calius culture, Nicotiana tabacum 317. Puccinia coronata, crown rust, Avena sterilis 4577. Puccinia coronata leaf rust, tollium cultivars 3874. Puccinia graminis f.sp. secalis, rust, plant breeding, Hordeum vulgare 8073. Puccinia graminis f.sp. secalis, rust, plant breeding, Hordeum vulgare 8074. Puccinia graminis f.sp. secalis, rust, plant breeding, Hordeum vulgare 8074. Puccinia graminis f.sp. secalis, rust, plant breeding, Hordeum vulgare 8074. Puccinia graminis f.sp. tritici, stem rust, Agropyron elongatum, transfer, recombination, Triticum aestivum 314. Puccinia graminis f.sp. tritici, stem rust, epidemiology, Austria, Triticum aestivum 6244. Puccinia graminis f.sp. tritici, stem rust, epidemiology, Austria, Triticum aestivum 6244. Puccinia graminis f.sp. tritici, stem rust, epidemiology, Austria, Triticum aestivum 6244. Puccinia graminis f.sp. tritici, stem rust, epidemiology, Austria, Triticum aestivum 6244. Puccinia graminis f.sp. tritici, stem rust, epidemiology, Austria, Triticum aestivum 6244. Puccinia graminis f.sp. tritici, stem rust, epidemiology, Austria, Triticum aestivum 6244. Phytophthora cryptogea root rot, screening, environmental factors, Carthamus Phytophthora cryptogea root rot, screening, environmental factors, Carthamus 2008. Phytophthora infestans haustorie, callose growth, tubers, Solanum tuberosum 2008. Phytophthora infestans haustorie, callose growth, tubers, Solanum tuberosum 2008. Phytophthora megasperm a fsp. dyclinea, Rps1 gene, linkage, metribuzin resistance, Hm gene, Glycine max 2064. Phytophthora palmiwora, relationship, benzyl isothiocyanate, Carica papaya 3861. Pierce's disease, plant breeding, cultivars, Vifs vinifera 8068. Pierce's disease, plant breeding, cultivars, Vifs vinifera 8064. Pinus monitoola, blister rust, Cronaritum ribicola 5595. Pinus ponderosa, needle blight, USA 8941. Pinus ponderosa, scirribia acicola brown spot, analysis methodology 3925. Pinus virigniana, pitch canker, Fusarium moniliforme var.subglutinans 5599. Pisum sativum, epicolyl rot epicotyl rot 6287. Pisum sativum, polygalacturonase inhibitors, phytopathogenic fungl 7203. Pisum sativum, molygalacturonase inhibitors, phytopathogenic fungl 7203. Pisum sativum, molygalacturonase inhibitors, phytopathogenic fungl 7203. Pisum sativum, root rot, Aphanomyces euteiches, stem rot, Rhizoctonia solani, plant breeding, 2852. Plant breeding, Calarus calan 8899. Plant breeding, Calarus calan 8899. Plant breeding, Calarus calan 8899. Plant breeding, Coler ariefinum, blight, Ascochyta rabiei 3864. Plant breeding, crops 2875. Plant breeding, etiology, plant diseases 1184, plant breeding, developing countries, Solanum tuberosum 2874. Plant breeding, etiology, plant diseases 1184, plant breeding, etiology, plant diseases 1186, plant breeding, etiology, plant diseases 1186, plant breeding, etiology, p Puccinia graminis f.sp.tritici, stem rust, inheritance, Sr gene, Triticum aestivum 315. aestivum 315.

Puccinia helianthi induction, leaf rust, stem rust, Triticum aestivum 293.

Puccinia hordei, host-pathogen interactions, rust, Puccinia hordei, models,
Hordeum vulgare 2860.

Puccinia hordei, hybridization, Pa3 gene, Pa7 gene, Hordeum vulgare 8063.

Puccinia recondita 1 sp. tritici, factors affecting, triticum aestivum 3957.

Puccinia recondita, Triticum aestivum, characterization 4578.

Puccinia strillormis stripe rust, gene transfer, plant breeding, Triticum dicoccoides × Triticum durum, Triticum aestivum 3860.

Puccinia strillormis, stripe rust, genes, chromosomes location, Triticum aestivum 2834. 2834.
Puccinia striiformis stripe rust, inheritance, plant breeding, Triticum 5476.
Puccinia triticina, brown rust, Triticum aestivum 5486.
Pyricularia oryzae blast, inheritance, Oryza sativa 5493.
Pyricularia oryzae blast, Oryza sativa 1128.
Pyricularia oryzae blast, Oryza sativa 1128.
Pyricularia oryzae blast, Olygenic inheritance, Oryza sativa 6297.
Pythium debaryanum infection, role, symptomiess infection, Gibberella zeae,
Nigrospora oryzae, Zea mays seeds 8792.
Rhizoctonia solari root rot, Phaseolus vulgaris, genetic control, inheritance
2069. 2069.
Rhizoctonia solani stem rot, Pisum sativum 1201.
Rhizoctonia solani, tubers, glycoalkaloids, levels, Solanum tuberosum 8840.
Rhizoctonia solani, tubers, glycoalkaloids, levels, Solanum tuberosum 8840.
Rhynchosporium secalis scald, Erysiphe graminis powdery mildew, Helminithosporiu teres net blotch, genetic variance, plant breeding, Hordeum vulgare 316.
rice ragged stunt virus, Oryza sativa varieties, Thailand 8100.
role mansonones isolation, antifungal activity, Ceratocystis ulmi, Dutch elm disease, Ulmus americana 3926.
root rot, inheritance, Triticum 2885.
rootstocks, disease control, Ceratocystis fimbriata, wilt, Brazil, Mangifera indica 5440. reviews, crops 2868.
plant breeding, incish pathogen interactions, reviews 3871.
plant breeding, microorganisms, research programs 1176.
plant breeding, microorganisms, research programs 1176.
plant breeding, Oryza sativa 2881.
plant breeding, Oryza sativa 2881.
plant breeding, Oryza sativa 8896.
plant breeding, phytopathogenic fungi, Pennisetum americanum 8894.
plant breeding, reviews 4876.
plant breeding, reviews 4876.
plant breeding, reviews 4895.
plant breeding, reviews 8985.
plant breeding screening projects, Prunus persica, inoculation methodology, Cytospora leucostoma 5407.
plant breeding screening projects, Prunus persica, inoculation methodology, Plant breeding screening projects, Triticum aestivum seedlings, wheat mosaic virus 4574. indica 5440, Papmagne, downy mildew, Glycine max, Peronospora manshurica races virulence 12 nst. brome mosaic virus infection effects on, Triticum aestivum 263. rust, Phaseolus vulgaris, cultivars, comparison, sportlation, incidence 8082. rust, plant breeding, research programs, Triticum aestivum 2676. rust, Uromyces appendiculatus, Phaseolus vulgaris, inheritance 2850. rust, Uromyces phaseoli, races virulence, Phaseolus vulgaris 2846. Scierotima frifoliorum plant diseases, selection, Medicago sativa 5485. Scierotium cepivorum, Allium, Zephyranthes, Habranthus 8043. Scierotium cepivorum white rot, Allium cepa, Allium porrum, screening projects 3866. sooo. screening projects, Ascochyta rabiei blight, Cicer arietinum 3863. screening projects, genetic analysis, Lycopersicon esculentum, speck, Pseudomon syringae pt. tumato 5482. screening projects, isoenzymes, plant breeding 3872. screening projects, Phytophthora cryptogea, plant breeding, Carthamus tructoria virus 4574,
plant breeding, Complement Bergers, plant breeding, Correlation triadimeton disease control, Erysiphe graminis 5502.

sease resistance, (continued) 7188

7188. smut, Ustilago hordei, genetic analysis, pathogenicity, host-pathogen interactions, models, plant breeding, Hordeum vulgare 2857. Solanum tuberosum, gangeree, Phoma exigua 2070. solanum tuberosum, Phytophthora infestans infection, correlation papillae 6303. Solanum fuberosum, soft nrt, Erwinia carotovora subsp. atroseptica, Erwinia carotovora subsp. carotovora 4581.

speck, Pseudomonas syringae pv. tornato, genes, inheritance, Lycopersicon 2828. Sphaerotheca pannosa mildew, Diplocarpen rosae black spot, plant breeding, Rosa

Sphaerotheca pannosa powdery mildew, plant breeding, Rosa multiflora 8904, spraing, Solanum tuberosum, Denmark 8910.

Stereum gausapatum, suberin characterization, defense mechanism, Quercus robur

7235.
Streptomyces ipomoea, screening projects, Ipomoea batatas 4583, 
streptomyces ipomoea, screening projects, Ipomoea batatas 4583, 
stripe rust, inheritance, growth stage, vegetative cells, Triticum hybrids 2886, 
take-all, Gaeumannomyces graminis use induction, Triticum aestivum 2849, 
tobacco etch virus, plant breeding, cultivars, Capsicum annuum 8902, 
tobacco etch virus, potato virus Y, cultivars, Capsicum annuum 8970, 
tobacco etch virus, potato virus Y, pepper mottle virus, plant breeding, 
cultivars, Capsicum annuum 8909, 
toxins, Fusarium oxysporum f.sp.medicaginis, polyploidy, regeneration, cell 
lines, Medicago astiva 5494.
Triticum aestivum genotypes, leaf rust, powdery mildew, effects on yield, fungi 
8098.

8098

stivum genotypes, pathogenesis, stem rust, Puccinia graminis f.sp.tritici 8885.

Triticum aestivum genotypes, pathogenesis, stem rust, Puccinia graminis f.sp.tritici 8885.

Triticum aestivum, leaf rust, Puccinia recondita f.sp.tritici, genetic control, Lr 13 gene 8069.

Triticum aestivum, leafspot, Bipolaris sorokiniana 5492.

Triticum aestivum, powdery mildew, genetic control 8101.

Triticum aestivum, powdery mildew, genetic control 8101.

Triticum aestivum, powdery mildew, genetic control 8101.

Triticum aestivum, take-all, manganese deficiency effects on, Gaeumannomyces graminis 8099.

Triticum, Erysiphe graminis f.sp.tritici, Puccinia recondita f.sp.tritici, Septoria nodorum 1197.

urdbean leaf crinkle virus, plant breeding, Vicia faba 2882.

Ustrilago nuda var.tritici, loose smut, plant breeding, Triticum aestivum, Triticale 1183.

variation, Coffea arabica, Hemileia vastatrix leaf rust 304.

Venturia pyrina scab, Mycosphaerella sentina leafspot, Pyrus amygdaliformis, Pyrus communis 8080.

Verticilium abhiae wilt, Lycopersicon esculentum, plant breeding 268.

Verticilium dahliae wilt, Lycopersicon esculentum, plant breeding 268.

Verticilium dahliae wilt, Lycopersicon esculentum 1178.

Vicia faba, screening projects, plant breeding, bean yellow mosaic virus 3873.

Vicia faba, uromyces viciae-fabae 1198.

Vigna unquiculata, tobacco necrosis virus, sunn-hemp mosaic virus, nutrition effects on 312.

wilt, Fusarium oxysporum f.sp.niceris, gene regulation, Cicer arietinum 3867.

wilt Eusarium oxysporum f.sp.niceris, gene regulation, Cicer arietinum 3867.

wilt, Fusarium oxysporum f.sp.ciceris, gene regulation, Cicer arietinum 3867. wilt, Fusarium oxysporum, f.sp.niveum, agircultural practices, wilt 2848. wilt, Pseudomonas solanacearum, germplasm, Solanum sucrense, Solanum tuberosum

witt, Pseudomonas solanacearum, germpiasm, Solanum sucrense, Solanum tubero 8090.
wilt, Pseudomonas solanacearum, root rot, Phytophthora capsici, plant breeding, Capsicum annuum, Capsicum frutescens 8094.
Xanthomonas campestris pv.oryzae, blight, Oryza sativa 6298.
Xanthomonas campestris pv.vesicatoria, speck, plant breeding, cultivars, Lycopersicon 2829.

Lycopersicon 2829.

Xanthomonas campestris pv. vignicola blight, Vigna unguiculata 8891.

Xanthomonas campestris spot, plant breeding, Capsicum annuum 8903.

Zea mays qenotypes, aflatoxins contamination, Aspergillus flavus 8880.

Zea mays, host-pathogen interactions, Erwinia chrysanthemi 3880.

zucchini yellow mosaic virus, inheritance, zym gene, linkage analysis, Cucumis melo 5478.

zucchini yellow mosaic virus, inheritance, zym gene, linkage analysis, Cucumis melo 5478.

\*\*\*ease apreed, Campylobacter, poultry, surfaces, kitchens 8429. 
disease control, quarantine, plant diseases 1193. 
phytopathogenic fungi, plant diseases, mathematical models 7127. 
plant diseases, measuring techniques, computer applications, remote sensing, 
video imaging 236. 
plant diseases, phytopathogenic fungi, computer applications 6220. 
Rigidoporus lignosus, root rot, host-pathogen interactions, kinetics, Hevea 
brasiliensis 5504. 
rust, Hemileia vastatrix, Western Hemisphere, Coffea 2798. 
seab, Cladosporium carpophilium, conidia release, environmental factors 272. 
Sirococcus clavigignenti-juglandacearum canker, Juglans cinerea plantations 7991. 
species composition, Nephotettix, Oryas astiva 7153. 
vicia faba, epidemiology, bean yellow mosaic virus, subterranean clover red leaf 
virus, vectors, Aphididae 5405. 

\*\*sease tolerance, 
Glychen max, plant breeding, heritability, rot, Phytophthora megasperma 
f.sp, glycinea 8085. 

\*\*glycinea 8079.\*\*

\*\*sease transmission, 
abaca mosaic virus, benana mosaic virus, vectors, Aphis gossypii, Musa textilis 
6276. 
\*\*Reromonas salmonicida, role survival, rivers fresh water, furunculosis,

6276

6276.
Aeromonas salmonicida, role survival, rivers fresh water, furunculosis, Salmonidae 4937.
Salmonidae 4937.
Salmonidae ays. plant diseases, conferences 6797.
Aphididae, association, helper factor, tobacco etch virus, Nicotiana tabacum 4552.
Aeroccohuda rahiai. Cicar arietinum, seedlings, disease control, benomyl,

ASS2.
Asocochyta rabiei, Cicer arietinum, seedlings, disease control, benomyl, thiabendazole 1969.
Bayon pod mottle virus, Cerotoma trifurcata, population density, distribution, dilycine max 243.
Bernisia tabadi, tomato leaf curl virus, infection, Lycopersicon esculentum, association, environmental factors 8022.
Bernisia tabadi, waitermelon mosaic virus 2, squash mosaic virus, epidemiology, Cucumis melo, Cucurbis pepo, USA, California 3821.
Blood transfusion, hepatitis 8, non-A, non-B hepatitis, acquired immune deficiency syndrome, identification, radioimmunoassay, methodology, man 646.
Browne mosaic virus, urediniospores, Puccinia graminis f.sp.tritici, Puccinia

Disease transmission, (continued)
recondita f.sp.tritici, leaf rust, stem rust, Triticum aestivum 2789.
brome mosaic virus, vrediniospores, Puccinia graminis f.sp.tritici, stem rust,
Triticum aestivum 2790.
Cicadellidae, Delphacidae, viruses, mycoplasma-like organisms, Onyza satīva 7156.
cowpea aphid-borne mosaic virus, Aphis craccivora vectors, Vigna unguiculata
infestation resistance 7137.
cucumber green mottle mosaic virus, vectors, Raphidopalpa fevicollis, Lagenaria
siscariar. Cirucultita pena 8850.

cucumber green mottle mosaic virus, vectors, Raphidopalpa fevicollis, Lagenaria siceraria, Cucurbita pepo 8850, cucumber mosaic virus infection, Medicago sativa, etiology 2787. cucumber mosaic virus infection, Medicago sativa, etiology 2787. cucumber mosaic virus, mosaic disease, Cucumis melo 8819. Cucurbita, squash leaf cucur virus, vector-borne diseases, Bernisia tabaci, characterization 1150. Dioscorea ring mottle virus, Aphididae, host range, Dioscorea alata, Togo 3828. enterovirus, ground water, reviews 2385. Epichloe typhina infection, Festuca arundinacoa, USA, Kentucky 7979. spidemiology, Legionella pneumophila, water supplies 3214. Fervinia amylovora fire bight. Pyrus communis, vectors, Apis 5442. Erwinia salicis, Watermark disease, propagules, Salix alba 363. grapevine virus A, plant diseases, vitis vinifera, vectors, Pseudococcus longspinus 3844, lant diseases, vitis vinifera, vectors, Pseudococcus longspinus 3844. Wissadula periplocifolia, Jamaica 2047. maze streak virus, Auchenorrhyncha, Zea mays 7154. Myzus periscae, plant diseases, potato virus Y, β-farmesene derivatives effects on 5401. Myzus periscae, solvhean mosaic virus infection, Glycine max 1973.

Myzus persicae, soybean mosaic virus infection, Glycine max 1973.

Myzus persicae, tomato yellow top virus, host range, Solanacoae 7180.

pathogens, Glesaes control, occupational hazards, laboratorioes 1522.

plant viruses, mycopiasma-like organisms, vectors, Delphacidae, Cicadellidae 7157.

7157.

plant viruses, Nematoda vectors 6217.
plant viruses, vectors, Delphacidae, Cicadellidae
7130.

Plasmodiophora brassicae clubroot, Brassica napus, Brassica oleracea, disease
resistance inheritance 300.

potato leaf roll virus, Myzus persicae veciors, pathogenicity, host range 4553.

potato leaf roll virus potato virus Y, role, Myzus persicae, Aphis gossypii,

Solanum tuberosum 8623.

potato virus Y, heredity, Myzus persicae, Aphis gossypii,

Datura metel 3827.

ribonucleoproteine, role, tobacco mosaic virus, characterization 8862.

Scaphytopus cautus, plant viruses infection, buds proliferation, Glycine max,

USA, Louisiana 4510.

solid wastes, bacteria, fungi, viruses, public health, Rodentia, Diptera 2361.

strawberry latent ringspot virus, arabis mosaic virus, Xiphinema diversicaudatum,

plants 6272.

piants 6272.

tobacco streak virus, seed-borne diseases, Fragaria vesca 6267.

tomato ringspot virus, Xiphinema californicum, role, Prunus 4529.

Triticum aestrivum 2790.

vectors, Spiropiasma citri, isolation, yellows, X-disease, Colladonus montanus,
Scaphytopius nitridus 8021.

Verticillium dahilae, Solanum tuberosum 7183.

viruses levels, waste water, reviews 2334.

viruses, reviews, Rubus 8004.

water supplies, hospitals, Legionalla pneumophila, Legionnaire's disease,
Legionella micdadel, Pitsburgh pneumonia agent 5854.

watermelon mosaic virus, foliar application, oils, Cucurbita pepo, Myzus persicae
6277.

atermelon mosa Morocco 6270. osaic virus, plant diseases, Cucumis sativus, Lagenaria siceraria,

Diseases, ornamental plants, trees, books 840.

phytopathogenic fungi, India, conferences 2547. sinfectants,

phytoparogener ungli, India, conferences 2547.

Islainfectants, acrylic acid derivatives, structure-activity relationships, antibacterial activity, gram-positive bacteria, gram-negative bacteria 7551.

antibacterial activity, surflungal activity 6719.

antibacterial activity, surflungal activity 456.

+anticorrosive agents, bactericidal activity 456.

antifungal activity, solutions, contact lenses 5870.

antifungal activity, solutions, contact lenses 5870.

antimicrobial activity, methodology 1524.

antiviral activity, rotavirus (avian), infectious bursitis virus 4026.

antiviral activity, rotavirus (human) 2322.

bacteria, viruses, wastewater treatment, chlorine, residues 4938.

biodegradation, acclimatization, activated sludge 4112.

dialysis, disease control, peritonitis, clinical trials, man 6721.

hepatitis B virus inactivation 472.

iodine, antiviral activity, African swine fever virus 1345.

manochloramine, antibacterial activity, antifungal activity 5865.

povidone-iodine, bactericidal activity, 7548.

quaternary ammonium compounds, inhibition, proteolytic enzymes, Bacillus subtilis.

4957

solutions, contamination, Staphylococcus, corynebacterium, fungi, contact lenses 5871

Disinfection, alcohols 1509.

amphoteric surfactants 1515. anionic surfactants 1514.

anionic surfactants 1514.
antifungal agents, fungistats 1342.
antiseptics, skin microflora, animal models 4141.
antitubercular agents, Mycobacterium tuberculosis 1319.
bacteria, dinnking water distribution systems 8416.
bacteria, reviews 2236.
blood culture, use cotton, role, transmission, Bacillus contamination 3223.
books 1695

bronchoscopes 578. chloramines, pH effects on 9246.

chlorhexidine 1511. chlorine derivatives 1506.

chlorine derivatives 1506.
chlorine, resistance, Escherichia coli 9041.
chlorine, resistance, spores, Bacillus, clostridium, food industry 6413.
chlorine, synergism, chlorine dioxide, ozone, peracetic acid, sewage effluents,
poliovirus 1 6694.
chlorine, temperature effects on, parvovirus 6484.
chlorine, waste water, ponds, fecal coliforms 6671.
dentistry, environmental Typiene 1519.

Dizygotheca elegantissima, leafspot, Alternaria panax 5450. Disinfection, (continued)
disease control, medical equipment, medical supplies 1517.
drinking water, bacteria, association, Hyalella azteca, methodology,
characterization 6712 DNA. NNA.
anthiotocs binding, solvents role 9175,
antigen T binding sites, SV40, monoclonal antibodies, immunoassays 589,
antigen T binding sites, SV40, monoclonal antibodies, immunoassays 589,
avain laryngotrachetis virus, isolation, purification, methodology 9284
bacteria, flow cytometry methodology 3287
base composition, bacteria, methodology 3298,
binding, aclacinomycin A, physicochemical properties 956,
binding, annonia, heterocyclic derivatives, inhibition phage \(\lambda\), replication,
Escherichia coli 4030
binding, RNA polymerase III, ionic strength effects on, yeasts 7704.
Chlamydia trachomatis, hybridization analysis, diagnosis, methodology 9313,
citrus exocorits viriod infected Gynura aurantiaca, separation techniques, RNA,
use, Gynura aurantiaca 3248. characterization 6712 drinking water, swimming pools, sewage effluents 1500 efficacy, ammonifying bacteria detection methodology, use filter paper 7542; fiberoptics bronchoscopes, Mycobacterium tuberpulosis contamination 3221, glutaraidehyde 1362. hand, prophylaxis, viruses food-borne diseases, man 9266, heat+hydrogen peroxide, septic tanks effluents 9243. hydrogen peroxide, oxidants 1510. hydrogen peroxide, oxidants 1510. hydrostatic pressure, temperature effects on, inactivation, Escherichia coli 5866. 590c.
hygiene, sterilization, breweries 7547.
lodine derivatives 1507.
milking machines, mastitis disease control, cattle 9260.
nitrogen containing compounds 1512.
ozone, waste water 6672. use, Gynura auraniaca 3248.

cleavage, bleomycin, talisomycin analogs, structure-activity relationships 529.

cloning vectors integration methodology, plasmids, phages 628.

Cochilobolus heterostrophus, isolation methodology, organelles, plasmids 3365

cossackievius B3, use, enterovirus detection, nucleic acids hybridization ozone, waste water 6672.
ozone, wastewater treatment, microbial pollution, enterovirus 2372.
pathogens, sewage sludge, environmental hygiene 2365.
pathogens, sewage sludge, environmental hygiene 2365.
pathogens, wastewater treatment 550.
peracetic acid, sewage effluents, enterovirus, rotavirus, phages 6695.
phenols 1508.
Pseudomonas, environmental hygiene 1516.
quaternary ammonium compounds 1513.
radiation, bacteria, fishery products, feeds 5359.
y radiation, sewage sludge, coliforms, Pseudomonas, Bacillus 5823.
rotavirus (simian) SA11 inactivation, chlorine, chlorine dioxide, monochloramine 8324.
sewage sludge, biotechnology 2364. coxsackievirus B3, use, enterovirus detection, nucleic acids hybridization analysis 4979. 
cytomegalovirus (human), hybridization analysis, use, 2-acetylaminofluorene, enhancement, fluorescent probes, methodology 9282 
damage, antibacterial activity, metronidazole, Eschenchia coli 6449, 
fingerprinting, methodology, herpes simplex virus identification 8458. 
Frankia, nodules, Almus glutinosa, isolation, purification 4370. 
gene 32 protein binding, trichioroethanol chemical modification, tryptophan 
residues, role, phage T4 4256. 
herpes simplex virus, cytarabine incorporation, association, vidarabine drug 
resistance, 3067. herpes simplex virus, cytarabine incorporation, association, vidarabine drug resistance 3067. herpesvirus, detection, electrophoresis, mammalian cells 4977. homology, lysis phages, prophages, dairy starters, Streptococcus cremoris 5335. hybridization analysis, Eschenciha coli detection, water, enterotoxins genes probes 1087. hybridization analysis, herpes simplex virus 1, herpes simplex virus 2, identification, membrane filters 608 hybridization analysis, methodology, potato spindle tuber viroid identification 8451. hybridization analysis. Neisesvirus programments and the second control of the second control 8324.
sewage sludge, biotechnology 2364, sewage sludge, conferences, books 2542, sewage sludge, conferences, books 2542, sewage sludge, radiation 551.
Staphylococcus aureus, lactic acid bacteria antagonism, hospitals 3227, swimming pools, sodium hypochlorite, books 836.
thimerosal, formaldehyde, fungi pathogens, antigens extracts, clinical microbiology 810.
U.V. radiation, coliforms enumeration methodology, waste water 9263.
U.V. radiation, wastewater treatment 2337.
U.V. radiation, wastewater treatment 2337.
U.V. radiation, wastewater treatment 2337. 6431. hybridization analysis, Neisseria gonorrhoeae, use, differential diagnosis, urethritis, non-specific urethritis, man 679. hybridization analysis probes, vesicular stomatitis virus defective interfering particles detection 4967. U.V. radiation, wastewater treatment 2337.
U.V. radiation, water, phage (2, Escherichia coli, Candida parapsilosis, kine models 568.
waste water, reviews 1478.
wastewater treatment, reviews, bibliographies 4909.
water, use, ammonium, association, glass 7527.

Basoconium acleulare, belonging to the properties of the p hybridization analysis probes, vesicular stomatitis virus defective interfering particles detection 4967. 
hybridization analysis, Salmonella detection, food contamination 673. 
hybridization analysis, Tedle leukemia virus proviruses, leukemia cells 5884. 
hybridization analysis, varcella-zoster virus detection, cell culture 8452. 
hybrids. Eschenchia coli, phage \( \), environmental factors mutagenicity 
testing 3330. 
infected cells, herpes simplex virus recombinants detection 5006. 
interaction, rubomyon, fluorescence analysis 6066 
interaction, saframyor R, NM R, structure 957 
solation, gel chromatography, plasmids. Escherichia coli 3539 
levols, leaves, Pyricularia oryzee, blast. Oryza sativa 7978. 
Micrococcus lysodeixicus, cesium trifluoroacetate, use, isolation, purification, 
methodology 5918. 
mitochondria; isolation methodology, yeasts 5086. 
penicillin ai idase, plasmids, transformation, Bacillus megaterium, production 95. 
plasmids, antibiotic resistance, ettracycline, restriction endonuclease mapping, 
Haemophibus ducrey 3027. 
plasmids, protoplasts transformation, gene transfer, Corynebacterium glutamicum 
6059. 
plasmids, protoplasts transformation, gene transfer, Corynebacterium glutamicum 
6059. 
plasmids, protoplasts transformation, gene transfer, Corynebacterium glutamicum 
6059. aerobic bacteria 8345.

Iavets, mathematical models, fermentation 8502.

Iavets, mathematical models, fermentation 8502.

Iavets, temperature effects on, culture, Bacillus stearothermophilus 9296.

Iavets, temperature effects on, culture, Bacillus stearothermophilus 9296.

Iavets, and the stear of the s 6059
plasmids, purification methodology 741.
plasmids, purification, precipitation, chromatography, methodology 5917.
plasmids, Streptococcus group N, isolation, methodology 5026.
plasmids, Streptococcus lactis, transformation, lactose metabolism, antibiotic resistance. Streptococcus sanguis 6990.
purification methodology, plasmids, Eschenchia coli 4194.
purification methodology, Streptomyces coeliccior 8472.
recombination, cloning vectors, enzymes biotechnology 4297.
recombination, interferon, antiviral activity, mammalian cells 4778.
recombination, methodology, usus sivus, sociation selfs 4778.
recombination, phage 17, cell-fire system, methodology 648.
recombination products, overproduction, foot-and-mouth disease virus vaccines 5810. recombination, vaccines production, immunogenicity, hepatitis B virus 6615. Rickettsia prowazekii, purification, deoxyribonuclease treatment, chick embryos yolk sac 5033. enzymes, ethanol fermentation 161.
Industrial effluents digestion (anaerobic), methanogenesis 2185.
Industrial effluents, nutrient requirements, urea, sodium phosphate, Bacillus yolk sac 5033

sporartion methodology, chromosomes, yeasts 9335, substrates, polyribonucleotide synthetase(ATP) use, phage T4 621, supercoling, DNA gyrase inhibition, nalidixic acid antibiotics reaction mechanisms, Escherichia coli 6360, supercoling, isolation, tomato golden mosaic virus infected Nicotiana benthamiana, methodology 6279

SV40, transfection, Vero cells, methodology 5000. http://doi.org/10.000/10.00000/10.0000/10.0000/10.00000/10.0000/10.0000/10.00000/10.0000/10.0000/ notating effluents, wastewater treatment, rotating discs, fungi 2341. single-cell protein production, Saccharomyces cerevisiae, Torulopsis ethanolitolerans 865. Diterperse, Nicotiana glutinosa, inhibition Erysiphe cichoracearum, powdery mildew, foilar applications, Nicotiana tabacum 2076.
Dithane M45,
Dithane M45, Dithaine M45, antifungal activity, Macrophoma mangifera 4587.

1-1.3-Dithian-2-yi)-2-hydroxypropane, formation, 1-1,3-dithian-2-yi)-2-oxporpane reduction, Geotrichum candidum, Aspergilius niger 8631.

11,3-Dithian-2-yi)-2-oxporpane, reduction, 1-1,3-dithian-2-yi)-2-hydroxypropane, formation, Geotrichum candidum, Aspergilius niger 8631.

Dithiotypicol, standization penicillin amidase immobilized enzymes 74.

Dithiothretol, reduction saccesine oxidase kinetics. Convenence imm 6842. virus 17-300. aphidicolin inhibition, archebacteria 7368. Bacteroides fragilis, inhibition, metronidazole, bactericidal activity 2213. 22-deoxyadenosine, 2-deoxyquanosine inhibition, herpes simplex virus 6481. Escherichia coli. Pseudomonas putida, polyacrylamide immobilization effects on reduction, sarcosine oxidase, kinetics, Corynebacterium 6842. stabilization penicillin amidase immobilized enzymes 74. Diurnal variation, 1614 herpes simplex virus infected BHK cells, 9-(2-hydroxyethoxymethyl)guanine effe on 4767. nitrogenase activity, Oryza sativa roots 5674.

a-Diversonolic acid,
structure, biosynthesis, Penicillium diversum 3421.

b-Diversonolic acid,
structure, biosynthesis, Penicillium diversum 3421. on 4707.
herpes simplex virus 2, antiviral activity,
9+{(1,3-dihydroxy-2-propoxy)methyl}-guanine+interferon 6480.
initiation, aminoglycoside antibiotics inhibition, mechanisms, Escherichia coli
7468. marine microorganisms, measuring techniques, methodology 4143. precursors, nucleotides, fermentation, manganese, deficiency, effects on,

NA blosynthesis, (continued)
Brevibacterium ammoniagenes, Micrococcus luteus 951.
ribonucloscide-diphosphate reductase, herpes simplex virus 1, vesicular stomatitis virus, antiviral activity, parabactin, bis-N1,N8-(2,3-dehydroxybenzoyl)spermidine 8335.

bis-N1,N8-(2,3-dehydroxyustacy) spontal N1, N8-(2,3-dehydroxyustacy) spontal N8 gyrase, inhibition DNA supercoiling, nalidixic acid antibiotics reaction mechanisms, Escherichia coli 6560, inhibitors, role, plasmid pMG110 elimination, Escherichia coli 6797. NA polymerasa, herpes simplex virus 1, 9-(2-hydroxyethoxymethyl)guanine, analogs, inhibition 4029, inhibition antiviral activity comparison, 2-nor-2-deoxygunosine, inhibition antiviral activity comparison, 2-nor-2-deoxygunosine, 1349. hibbition, antiviral activity comparison, 2'-nor-2'-deoxyguanosine, 9-(2-hydroxyethoxymethyl)guanine, herpes simplex virus 1349, loci, relationship, 9-(2-hydroxy ethoxymethyl)guanine, resistance, herpes simplex virus 1 5723.

loci, relationship, 9-(2-hydroxy ethoxymethyl)guanine, resistance, herpes sir virus 1 5723.

purification, characterization, Neurospora crassa 3477.

purification, comparison DNA topolsomerase, herpes simplex virus 1 6835.

purification, comparison DNA topolsomerase, herpes simplex virus 1 6835.

purification, characterization, lymphadenopathy virus 5983.

NA repair,

mutants, interaction, metronidazole, Escherichia coli 2312.

plasmid pKM101 effects on, Salmonella typhimurium, Ames test 3328.

NA repair,

mutants, interaction, metronidazole, Escherichia coli 2312.

plasmid pKM101 effects on, Salmonella typhimurium, Ames test 3328.

NA topolsomerase,

purification, comparison DNA polymerase, herpes simplex virus 1 6835.

NA tumor viruses,

production, fermenters, aerosols filtration, reduction, risks, occupational exposure 8624.

NA-binding protein,

herpes simplex virus infected cells, purification, characterization 4254.

multiple forms, N.M.R., Escherichia coli 2562.

Vala binding protein,

herpes simplex virus infected cells, purification, characterization 2555.

X-ray diffraction, crystal structure, Bacillus stearothermophilus 7663.

Nodecyl benzene,

solubility, biodegradability, microorganisms 6158.

Nodelse,

desease control, Carya illinoensis veins spot, Gnomina nerviseda, funigicide

desease control, Carya illinoensis veins spot, Gnomina nerviseda, funigicide

1137.

sease control, Carya illinoensis veins spot, Gnomina nerviseda, funigicides disea:

1137.

loga,
animal isolates, Campylobacter jejuni, antibiotic sensitivity testing 9180.
canine distemper virus, detection, counter immunoelectrophoresis 598.
Ctenocephalides felis, repellents, efficacy, Saccharomyces cartsbergensis 6092.
Escherichia coli isolates, R factors, antibiotic resistance 3010.
unany tract infection isolates, bacteria, antibiotic sensitivity testing 4787.

lomestic animals,
affatoxicosis, association, food contamination, reviews, historical account 7046.
feeds, biodeterioration, Aspergillus furnigatus 1025.
food poisoning, mycotoxicosis, Fusarium, reviews 7017.

lomancy,

ormancy,
Alnus glutinosa, actinorrhizas, nodules, factors affecting 347.
Malus domestica, powdery mildew, Podosphaera leucotricha, temperature effects on

Malus domestica, powdery mildew, Podosphaera leucotricha, temperature e 7985.

bthlatroma pini, needle blight, disease resistance, Pinus ponderosa, USA 8941.

bthlatroma septospora, needle blight, Pinus radiata pathology, Ecuador 5600.

bownstream processing, separation techniques, enzymes, bacteria production proteins 1600.

bowny mildew,

Bremia lactucae disease resistance, cultivars, Lactuca sativa 3841.

Bremia lactucae, disease resistance, cultivars, Lactuca sativa 3841.

Bremia lactucae, disease resistance inheritance, Lactuca sativa 308.

Bremia lactucae, disease resistance inheritance, Lactuca sativa, field trials 303.

303

Bremia lactucae, hypersensitive response, Lactuca sativa 6304.
Bremia lactucae, Lactuca sativa, virulence, geographical distribution, Australia 3835.

3835.
disease control, antibiotics+copper sulfate, Cucumis sativus 8139.
disease control, salicylanilides derivatives, Cucumis sativus 8139.
disease resistance, plant breeding, cultivars, Lactuca sativa 8911.
Peronosclerospora sorghi, disease control, Sorghum bicolor, Zea mays, foliar applications, metalaxyl, metalaxyl 8126.
Peronosclerospora sorghi, Sorghum bicolor, disease control, crop rotation, illage 1175.
Peronosclerospora sorghi, Sorghum bicolor, Zea mays, disease control, seed treatments, metalaxyl, efosite-Al 8144.
Peronospora manshurica races, virulence, Glycine max, disease resistance, Rpm gene 1202.
Peronospora manshurica races, virulence, Glycine max, disease resistance, Rpm gene 1202.

gene 1202.

Peronospora manshurica, surveys, USA, Iowa, Glycine max 7937.

Peronospora parasitica, disease control, seed treatments, Brassica 8141.

Peronospora parasitica disease resistance, genetic analysis, seedlings, Brassica campestris 2855.

Peronospora parasitica, disease resistance, plant breeding, germplasm, Brassica campestris 8065.

Pseudoperonospora cubensis, metalaxyl resistance, strains competition, Cucumis sativus 341.

sativus 341

Pseudoperonospora cubensis, oospores, incidence, Lagenaria siceraria, Cucurbita moschata, India 8838.

Pseudoperonospora humuli, Humulus lupulus, disease control, comparison, disease resistance cultivars, pruning, fungicides, reviews 1170.

Raphanus sativus, disease control, mancozed be 2902.

Sclerospora graminicola, disease control, metalaxyl, foliar applications, Pennisetum americanum 8137.

Sclerospora graminicola, host-pathogen interactions, geographical variations, Pennisetum americanum 5431.

Sclerospora graminicola, host-pathogen interactions, strains compatibility, sexual reproduction, geographical variations, Pennisetum americanum 7973.

Sclerospora graminicola, pathogenicity, comparison, isolates, Africa, Asia, host-pathogen interactions, Pennisetum kiphoides 2796.

antibiotic sensitivity testing, Escherichia coli 7440.
Clostricium perfringens drug sensitivity testing 3085

Doxycycline, (continued)
Nocardia asteroides antibiotic sensitivity testing 3090.
synergism, metronidazole, tinidazole, antibacterial activity, anaerobic bacteria 7366.

Drazoxolon,

disease control, Fusarium culmorum infection, Lolium perenne 1203. Drechslera,

Drechslera, disease control, fungicides applications, Lolium perenne, seeds yields 8108. 
leafspot, incidence, cultivars mixed culture, Hordeum vulgare 2841. 
leafspot, symptoms, Musa sapeintum, Egypt, new records 8002. 
Drechslera graminea, 
infection, Hordeum vulgare, epidemiology, Turkey 1987. 
infection, Hordeum vulgare, ergosterol, use, detection 7981. 
Drechslera hatodes, 
infection, Za mays seeds, climatic conditions 1992. 
Drechslera maydia, 
infection, Za mays seeds, climatic conditions 1992. 
Drechslera maydia, 
infection, Za mays seeds, climatic conditions 1992. 
Infection, Za mays seeds, climatic conditions 1992. 
Infection, Za mays seeds, climatic conditions 1992.

Drechslera maydis, infection, Zea mays seeds, climatic conditions 1992.

Drechslera oryzae, brown spot, Oryza sativa seedlings, heavy metals salts effects on disease resistance 2077.

Drechslera pedicelitate, antagonism, Rhizobium growth, in vitro 7248.

Drechslera pluriseptata, isolation, Eleusine coracana, seeds, taxonomy, morphology 8048.

Drechslera sorokiniana, infection, Festuca arundinacea inheritance disease resistance 6290. inoculation, Oryza sativa seedlings, disease resistance 7201. leafspot, Poa pratensis, herbicides soil applications effects on 3803.

Drechslera teres.

learispot, Poa pratensis, nerolicioas soil applications e Drechistera terea, net blotch, yield, Hordeum vulgare, Denmark 8782. Drechistera tetramera, infection, Zea mays seeds, climatic conditions 1992. Drilling fluids,

cosity, enzymes, microorganisms 180.

viscosity, enzymes, triustorganians to Drinking water, aerosolis, actinomycetes, allergic alveolitis, seroepidemiology, man 4932. bacteria analysis, USA. Nebraska 3209. bacteria contamination 2404. bacteria isolates, metals tolerance, antibiotic resistance 6433. action (aecitata) transment. organules colonization, bacteria 553.

carbon (activated) treatment, granules colonization, bacteria 553. coliforms enuneration, storage temperature effects on 564. coliforms recovery, membrane filtration, most probable number 6714. contamination, Aeromonas hydrophila, seasonal variations, clinical isolates correlation 8414.

contamination, Aeromonas, isolation, Australia 8412. contamination, coliforms, copper, inhibition, growth 8417. detection, phages, flocculation, concentration 8413. detection, viruses 7533. disinfection 1500.

disinfection, bacteria, association, Hyalella azteca, methodology, characterization 6712.

characterization 6712
distribution systems, bacteria disinfection 8416.
enterovirus levels, measuring techniques 7532
fluoride levels, dental cares incidence, children 6728.
fluorine, prophylaxis, dental caries, man, France 5868.
legionella pneumophila, chlorine susceptibility 1327.
Legionella pneumophila isolates, culture methodology, hospitals 789.
Legionella pneumophila isolation, media (selective) 785.
membrane filtration, coliforms, bacteria interference 2391.
microbial pollution, enterovirus, rotavirus, Mexico 7526.
microbial pollution, indicator species, coliforms, membrane filtration 8421.
Phages, use, pollution indicator species, coliforms, membrane filtration 8421.
8425.
legionella prollution indicators, association, enterovirus microbial pollution
fluoria fluoria fluoria fluoria films 4948.

8425.
plastics tubes, microorganisms films 4948.
poliovirus contamination, samples, transport, processing, methodology 7560.
removal, rotavirus (simian) SA11, poliovirus 1, resins adsorption 1496.
reovirus removal, inactivation, sand filmation methodology 9253.
survival, rotavirus (simian) SA11, water-borne diseases 7538.
viruses analysis, Canada, urban environments 4955.
viruses levels, detection methodology, reviews 2384.
viruses microbial pollution, environmental monitoring, measuring techniques, reviews 2387.
viruses recovery.

reviews 2387.
viruses recovery methodology 2393.
water-borne diseases, reviews, bibliographies 4947.
Yersinia survival, membrane filtration recovery 1494.
Drought tolerance,

Pseudotsuga menziesii, role, endomycorrhizas symbiosis, USA 2913. Drug addiction,

antigen detection, enzyme-linked immunosorbent assay methodology, serum, man 8456.

Drug resistance,
antimycobacterial agents, Mycobacterium, reviews 9061,
antitubercular agents, drug sensitivity testing, clinical isolates, Mycobacterium
tuberculosis 6443.

\*\*Tituberculosis 6443.\*\*

\*\*Tituberculosis 6443.\*\* antitubercular agents, Mycobacterium tuberculosis, clinical isolates, USA, Texas

Control agents, wycobacterium tuber cureis, clinical isolates, USA, 1ex 6422.

1-9-D-arabinofuranosyl-E-5-(2-bromovinyl)uracil, varicella-zoster virus, characterization 6403.

arabinylosyladenine, herpes simplex virus 1, mutants, association, deoxycoformycin 9068.

bacteria, penetic control, books, conferences 3389.

bacteria, plasmids, clinical aspects 3995.

bacteria, reviews 9069.

clinical isolates, Haemophillus influenzae, Haemophilus parainfluenzae 3035.

cotrimoxazole, clinical isolates, Shigella sonnel 5710.

dapsone, leprosy, man, reviews 3023.

Escherichia coli, A factors, incidence, animals isolates, clinical isolates 3021.

R factors, Vibrio anguillarum 3989.

food, isolation, food, Mexico 437.

gene transfer, R factor RK2, gram-negative bacteria 6428.

Drug realistance, (continued)
gram-negative bacteria, clinical isolates, animal isolates, reviews 9058.
9 (2-hydroxyethoxymethyl)guanine, herpes simplex virus 2, detection 6473.
Klebsiella pneumoniae, flactors, clinical isolates 9999.
Jevels, Haemophilus pleuropneumoniae, animal isolates, pigs 6406.
Mycobacterium tuberculosis 4717.
Mycobacterium tuberculosis 4721.
nalidisic acid, Escherichia coli, Pseudomonas aeruginosa 4700.
nitrofurantoin, histidine ammonia-lyase induction, Vibrio cholerae 3037.
nitrofurantoin, nitrofuran reductase, flactors, Escherichia coli 3029.
norfloxacin, Escherichia coli, Pseudomonas aeruginosa 4700.
patems, Escherichia coli, Salmonella, R factors incidence 3039.
patems, Salmonella typhimurium, plasmids analysis, phage typing, clinical isolates 4690.
plasmids incidence, Salmo gairdneri isolates, bacteria 9072.
plasmids, Staphylococcus aureus, clinical isolates 4705.
plasmids, transformation, Escherichia coli 7337.
Providencia stuartii, 6400.
reviews, fotic acid biosynthesis pathway inhibitors, bacteria 9053.
Salmonella, India animal isolates 3042. Drying,
effects on, Botrytis allii, neck rot, post-harvest decay, onions 8055.
Escherichia coli injuries, antibiotics sensitivity, cell surface hydrophobicity soil moisture, effects on denitrification, forests 8938. starter cultures, viability, malolactic fermentation, wine, Leuconostoc oenos 7816 Duck plague virus, detection, passive reverse hemagglutination methodology, ducks 9277. Ducks, afiatoxins dietary intake effects on, energy utilization, proteins utilization 3721.
duck plague virus detection, passive reverse hemagglutination methodology 927 feeds, toxicity Fermosin 5354. coastal environments, sand, soil, sulfur oxidation, acidity, soil microorganisms 8968 Duodenum, secretions, stimulation antibacterial activity, chloramphenicol, phanquinone, chlorquinaldol, man 9088. Salmonella 3040.
Salmonella, India animal isolates 3042.
Shigella dysenteriae, clinical isolates 4715.
Shigella flexneri, virulence, immunogenicity, vaccines 4080.
Staphylococcus animal isolates 3996. Chiorquinator, main score of the control of the con Staphylococcus arimal isolates 3996.

Staphylococcus aureus, drug sensitivity testing association 2243.

Staphylococcus, plasmids spread, phages role 9070.

structure-activity relationships 1376.

sulfamethoxazole, clinical isolates, Escherichia coli 4004.

trimethoprim, clinical isolates, Escherichia coli 7347.

trimethoprim, Pseudomonas aeruginosa, characterization 9079.

trimethoprim, role, tetrahydrofolate dehydrogenase, Escherichia coli 6429.

trimethoprim, sulfamethoxazole, plasmids, clinical isolates unnary tract,
Escherichia coli 2204.

urinary tract bacteria, norfloxacin antibacterial activity, factors affecting grain, atlatoxins determination, thin-layer chromatography 3704. Dutch elm disease,
biological control, antagonism, Streptomyces albovinaceus, Streptomyces griseus bological control, amagonism, screptomyces allovinaceus, screptomyces grinoculation, Ulmus americana 2890.

Ceratocystis ulmi, biological control, fungi 6330.

Ceratocystis ulmi, disease resistance compounds, antifungal activity, Ulmus americana 366. Escherichia coil 2204.

Triany tract bacteria, norfloxacin antibacterial activity, factors affecting EASE.

Interpretation of the proper simplex virus, cytarabine incorporation DNA association 3067.

Drug sensitivity testing.

Aeromonas salmonicida, rifurpirinol, piromidic acid, trimethoprim, chloramphenicol, nalidixic acid 8303.

agar dilution test 4728.

anaerobic bacteria, inoculum preparation 4791.

anaerobic bacteria, inicro-Media Enteric System 1329.

antibiotic sensitivity testing, fungi 8346.

antifungia agents, Candida albicans, Aspergillus furnigatus 8308.

antifungia agents, Candida albicans, Aspergillus furnigatus 8308.

antimicrobial agents, drug resistance, clinical isolates, Mycobacterium tuberculosis 6443.

antitubercular agents, drug resistance, clinical isolates, Mycobacterium tuberculosis 6443.

antitubercular agents, mycobacterium fortuitum 4719.

bacteria, animal isolates 1326.

Bacteriordes nodosus 3050

Bacteriordes nodosus 3050 amencana 396.
Ceratocystis ulmi, disease resistance, mansonones isolation, antifungal activity, Ulmus americana 3926.
Ceratocystis ulmi, disease resistance, plant breeding, Ulmus 2870.
Ceratocystis ulmi, disease resistance, plant breeding, Ulmus 8186.
Ceratocystis ulmi, geographical isolates, hypovirulence, pathogenicity, Ulmus 8192 disease control, forest management, Canada 2922.
Ophiostoma ulmi, biological control, Pseudomonas 2081.
Ulmus, disease control, Ceratocystis ulmi 5606. Dwarf bilght,
Pseudomonas cichorii, Schefflera arboricola 1162. Dyes, antibacterial activity, antifungal activity 9131. antimicrobial activity, gram-negative bacteria, gram-positive bacteria, dental plaque isolates, dentistry 7553. industrial effluents, wastewater treatment, activated sludge, carbon (activated) ligands chromatography, purification, characterization, phospho-2-keto-3-deoxy-gluconate aldolase, Zymomonas mobilis 4294. redox pote-titial mediators, electron transfer, respiration rates, fuel cells, bacteria 5242 Dyling, effects on, bacteria, radioresistance 4718. Dysentery, prophylaxis, treatment, pyrantel tartrate, +tylosin, +lincomycin, feeds, pigs 1918. Ear rot. Ear rot,
Aspergillus flavus, sclerotia formation, Zea mays 8784,
disease resistance, screening projects, Zea mays 4580.
Fusarium, Zea mays, mycotoxins detection 7083,
Gibberella zeae, disease resistance, zearalenone, 4-deoxynivalenol, production,
hybrids, plant breeding, Zea mays 1180.
Earlas inaulana, biological control, toxicity, δ-endotoxin, Bacillus thuringiensis 5247. **Ebola virus**, Ebola virus, indirect fluorescent antibody test, cell culture quantitation 1548. 
Echinomycin, biosynthesis, N.M.R., bacteria 4066. 
biosynthesis, protopiasts, Streptomyces echinatus 8369. 
biosynthesis, Streptomyces echinatus, phosphate, amino acids effects on 520. 
derivatives biosynthesis, quinoxaline-carboxylic acid analogs effects on fermentation, Streptomyces echinatus 5799. 
derivatives, biosynthesis, structure, Streptomyces echinatus 8370. 
production, triostin conversion, protoplasts, Streptomyces echinatus 3133. 
+triostin A, peptide antibiotics complexes, Streptomyces iverini 4058. norfloxacin, gram-negative bacteria, gram-positive bacteria 9095.
Pseudomonas aeruginosa, EDTA+tris+lysozyme, effects on, animal isolates, horses Scopulariopsis brevicaulis 5739 Staphylococcus aureus, drug resistance association 2243. Staphylococcus aureus, milk isolates, cattle 6462. ECHOVIrus, water pollution, rivers, Japan 8423. water quality, rivers, sewage effluents 9254. Drug tolerance, Mycosphaerella fijiensis, benomyl, carbendazim 7325. thiophanate-methyl, identification methodology, Fusarium 7213. thiophanate-methyl, identinication ineuropology, propagation of the pr ECHOVIDI 1, urival, sewage 5828.
ECHOVIDI 2, urival, sewage 5828.
ECHOVIDI 3, urival, and urival activity, aryl-furfurane derivatives 4764.
Echtes Ackerbohnen-mosalc virus, infection, inhibition, reproduction, yield, Vicia faba 7938. infection, inhibition, reproduction, yield, Vicia faba Ecological distribution, Canada, Endogonaceae, Glomus, taxonomy 8166. Canada, Endogonaceae, Glomus, taxonomy 8168. cellulolytic microorganisms, relationship wood decay, coastal waters 8196. ectomycorrhizas, tundra, forests, transitions, alpine environments 2101. environmental factors, population levels, actinomycetes, soil, Australia 8991. Finland, Boletaceae, ectomycorrhizas, Pinus sylvestris, Betula pubescens 2100 Microsporum gypseum mating types, soil, Spain 8980. mycorrhizas, Basidiomycetes, Arctic, alpine environments, conferences 2546. Pezizales, soil, Greenland 2128. Phymatotrichum omnivorum, relationship soil cations 374. phytopathogenic fungi, host range, India, new records 1963.

Dryas drummondi, nodules ultrastructure, Frankia, actinorrhizas 8150.

cological evaluation.

genetic engineering microorganisms, use, biodegradation, chemical pollution 3685, microorganisms, laboratories, continuous culture, batch culture, methodology, reviews 4974. conazole

antifungal activity, relative inhibition factors measurements, dose-response effects 4017.

effects 4017.
drug sensitivity testing, Candida 5735.
conazole nitrate,
effects on Saccharomyces cerevisiae, mitochondria, growth 1338.
conomic Importance,
Cajanus cajan diseases, crop production, Asia, Africa, North America, South
America 7139.

America 7139, america 739, fungi, soil moisture, seasonal variations, vertical distribution, tundra 2129, methodology, intestinal microflora, rats 7587, microorganisms, interspecies relatitionships, isolation, media (culture), measuring techniques, reviews, books 5992, organic matter, microorganisms, biogeochemistry, nutrient dynamics, reviews, relationships, reviews, posts, post post properties of the pr

peatlands 7254

peatlands 7254.

coeystem dynamics,
savannahs, tropical environment, soil microorganisms 2941.

coeystem management,
weed control, biological control, epidemiology, pathogens 3894.

ctomycorrhizas,
Abies frasari seedlings, metalaxyl effects on growth 1234.
assepsis, culture 5542.

+auxin, effects on roots formation, propagation, Pinus pinaster 5929.
Basidiomycetes, fruit bodies, Pinus sylvestris, Betula pubescens, Finland 2102.
Basidiomycetes, Zygomycetes, leaves, Tozzia alpina 8204.

Betula pubescens, spreading, colonization, seedlings, Betula pendula 5558.

biological control, antagonism, Pythium, soil-borne diseases, Fagus 5513.

Boletaceae, ecological distribution, Pinus sylvestris, Betula pubescens, Finland 2100. 2100

2100.
carbon-13 distribution, fatty acids, N.M.P. 8957.
colonization, environment factors, roots, trees 5551.
colonization roots, culture systems, seedlings, Pinus 7637.
colonization, stimulation roots growth, Pinus resinosa 5561.
culture, use inoculum, trees 5927.
ecological distribution, tundra, forests, transitions, alpine environments 2101.
forest practices effects on, clear cutting, burning, association, Pseudotsuga

menziesisi /231. International menziesisi /231. Internation, Conferales seedlings, high-altitude environments, mines 5547. formation, Eucalyptus 6323. Internation, rhizosphere temperature effects on, forests soil 5549. Intit bodies, basidiospores, inoculum, colonization, seedlings, Betula pendula fruit between the fruit between 5559

Hebeloma cylindrosporum, Pinus pinaster, chitin levels 3949 Homobasidiomycetes, spore germination, environmental factors, roots exudates effects on 2130.

emeta on 2130.

immobilized cells, inoculum efficacy, trees 8183.
inhibition, seedlings planting, Picea sitchensis 5566.
inoculation, growth stimulation, seedlings, Picea sitchensis 5565.
inoculation methodology, trees, reviews 831.
inoculation, stimulation growth, nutrient uptake, seedlings, greenhouses, Pinus 5567

5667.

Inoculation, trees response association, environmental effects, reviews 350. inoculation, trees response association, factors affecting, reviews 349. inoculation, trees response association, factors affecting, reviews 349. inoculation potential, roots colonization, competition, soil, trees 5563. interaction, plants roots pathogens, fungi, reviews 393. interaction, plants roots pathogens, fungi, reviews 393. Interaction, plants roots pathogens, fungi, reviews 393. Laccaria laccata, aromatic compounds, biological control, root rot, Fusarium oxysporum, Pseudotsuga menziesi 5562.

Laccaria laccata, aromatic compounds, biological control, root rot, Fusarium oxysporum, Pseudotsuga menziesi 5562.

Laccaria laccata, aromatic compounds, biological control, root rot, Fusarium oxysporum, Pseudotsuga menziesi 5562.

Laccaria laccata, aromatic compounds, biological control, root rot, Fusarium oxysporum, Pseudotsuga menziesi 5562.

Laccaria laccata, aromatic compounds, biological control, root rot, Fusarium oxysporum, Pseudotsuga menziesi 5562.

Laccaria laccata, aromatic compounds, biological control, root rot, Fusarium oxysporum, Pseudotsuga menziesi 5562.

Laccaria laccata, aromatic compounds, biological control, root rot, Fusarium oxysporum, Pseudotsuga menziesi 5562.

Laccaria laccata, aromatic compounds, biological control, root rot, Fusarium oxysporum, Pseudotsuga menziesi 5562.

Laccaria laccata, aromatic compounds, biological control, root rot, Fusarium oxysporum, Pseudotsuga menziesi 5562.

Laccaria laccata, aromatic compounds, biological control, root rot, Fusarium oxysporum, Pseudotsuga menziesi 5562.

Laccaria laccata, aromatic compounds, biological control, root rot, Fusarium oxysporum, Pseudotsuga et al., pse

non-target organisms, inhibition, mancozeb, paraquat, seedlings, Pinus sylvestris 5570.

phosphatase, role phosphate, nutrient uptake, comparison Basidiomycetes saprophytes, Betula pubescens, Pinus contorta 5575. phosphate, nutrient uptake, fertilizer applications strinuation, Pseudotsuga menziesii 5574.

merziesii 30.74.
Pisolithus tinctorius, colonization, seedlings, mines, soil, Pinus 8931.
Pisolithus tinctorius, inoculation, nutrient uptake, phosphorus, nitrate, seedlings, Quercus rubra 8935.
Pisolithus tinctorius, inoculation, stimulation, roots growth, seedlings, Pinus taeda 3906.

taeda 3908.

Plaolithus tinctorius, Pinus strobus, in vitro 5543.

Plsolithus tinctorius, Suillius granulatus, effects on translocation, carbon sources, nitrogen sources, photosynthesis, Pinus taeda 5572.

plants, desers, Algeria 5621.

Quercus, nitrogen fertilizers effects on 3941.

roots colonization, minibrition, heavy metals, Picea sitchensis 8168.

roots colonization, mathematical models, forestry 5577.

roots colonization, population levels, fertilizer applications inhibition, Picea sitchensis 5552.

sitchensis 5552.

roots colonization, water temperature, immersion, seedlings, Pinus radiata 7219.
Scleroderma auranium, Hebeloma, inoculation, piantations, Quercus robur, Quercus Sclaeis guineensia, petraea 7220.
Seedlings inoculation, roots colonization, succession, spatial distribution, soil, Betula 5556.
Seedlings, Cuercus imbricaria 5554.
Seedlings, Quercus imbricaria 5554.
Shaerosporella brunnea, Pinus banksiana 8162.
Succession, spreading, spatial distribution, fruit bodies, Betula pubescens 5575.
Succession, spreading, spatial distribution, fruit bodies formation, environmental factors, plantations, Pinus fadata 5571.
Elaeagnus umbellata, actionrhizas, Frankla, nodulation, biotyping 8158.
Selaeing umbeensia, plant breeding, disease resistance, with, Fusarium oxysporum f.sp.elaeidis 2871.
Selaeing umbeensia, plant breeding, disease resistance, with, Fusarium oxysporum f.sp.elaeidis 2871.
Selaeing umbeensia, plant breeding, disease resistance, with, Fusarium oxysporum f.sp.elaeidis 2871.
Selaeing umbeensia, plant breeding, disease resistance, with, Fusarium oxysporum f.sp.elaeidis 2871.
Selaeing umbeensia, plant breeding, disease resistance, with, Fusarium oxysporum f.sp.elaeidis 2871.
Selaeing umbeensia, plant breeding, disease resistance, with, Fusarium oxysporum f.sp.elaeidis 2871.
Selaeing umbeensia, plant breeding, disease resistance, with, Fusarium oxysporum f.sp.elaeidis 2871.
Selaeing umbeensia, plant breeding, disease resistance, with, Fus

radiata 55/1.
symbionts, Pinus banksiana, Cenada 8165.
symbiosis, Asteraceae, Australia 2132.
symbiosis, plants roots, measuring techniques, reviews 832.
temperature effects on, Salix rotundifolia, tundra 2103.
trees, conferences 5945.

Ectomycorrhizas, (continued)
trees inoculum production, methodology, reviews 830.
trees, research programs, forestry 5550.
Tuber melanosporum, Cistus incanus subsp.incanus, roots, growth 3940.

Ecuador,
Dothistroma septospora needle blight, Pinus radiata pathology 5600. analogs, decarboxylation, synthesis 1429.

EDTA,
 + chlorhexidine digluconate, antibacterial activity, gram-negative bacteria, association genitourinary tract infection, man 6456, effects on activated sludge cadmium uptake 3192.
 + tris-lysczyme, effects on drug sensitivity testing, antibacterial activity, Pseudomonas aeruginosa, animal isolates, horses 2253.
 EDTA-tromethamine,
 - estimicrobial snatts, antibacterial activity, gram-negitive haderia 4816.

antimicrobial agents, antibacterial activity, gram-positive bacteria 4816.

Effluents.

animal wastes, wastewater treatment, bacteria 7512. control, bacteria, fungi, biodeterioration, books, conferences 1697. distilleries, Pseudomonas aeruginosa, Vibrio cholerae, chemotaxia, coastal waters

oil and gas industry, effects on microorganisms, biodegradation, USA, Wyoming on ain gas industry, effects on microorganisms, biodeg rivers 903 pulp mills, biodegradation, bacteria 1467. viruses microbial pollution, land disposal, reviews 2335. waste water, viruses recovery, activated sludge 4956.

antifungal activity, Phytophthora 8124. antifungal activity, Phytophthora cinnamomi, plant diseases, roots, Persea americana 8923.

americana 3923.

disease control, Pythium aphanidermatum, blight, Agrostis 8134.
disease control, Pythium ulfimum, decline, Vitis vinifera 8122.
foliar applications, disease control, downy mildew, Peronosclerospora sorghi,
Sorghum bicolor, Zea mays 8126.
injection, disease control, Phytophthora cinnamomi, root rot, Persea americana

o 120.
seed treatments, disease control, downy mildew, Peronosclerospora sorghi, Sorghum bicolor, Zea mays 8144.
Efrotomycin,
antibacterial activity, Clostridium perfringens, food additives, chickens 1065.

Eggs.
albumen, bactericidal activity, gram-positive bacteria, gram-negative bacteria, temperature, pH effects on, chickens 4010.
temperature, pH effects on, chickens 4010.

cooking, inactivation, Salmonella typhimurium, Staphylococcus aureus 1050. food contamination, aflatoxin B1, aflatoxin M1, aflatoxicol, determination, liquid chromatography 8732.
vels, aflatoxicol, aflatoxin B1, aflatoxin M1, feeds contamination, chickens

spoilage, bacteria, detection, automated methods, comparison organoleptic evaluation 1052. storage, growth, coliforms, Salmonella, Staphylococcus aureus 6969. transmission, mycotoxins, reviews 7075.

Egypt, 100d, detection, aflatoxin B1, aflatoxin G1, screening methodology 7064. grain, detection Fusarium toxins 7069. man 100d, animals feeds, isolation, Aspergillus, aflatoxins biosynthesis in vitro

/UGZ.

Musa sapeintum, Drechslera australiensis leafspot, symptoms, new records 8002.

oil and gas industry, wastewater treatment, hydrocarbons, industrial effluents, biodegradation, Pseudomonas aeruginosa 2190.

rhizoplane microorganisms, Fusanium, seasonal variations 6335.

Roquefort cheese, mycotoxins levels 7058.

Vicia faba flowers, mycoflora, beans aflatoxins contamination 7085.

host-pathogen interactions, host-parasite interactions, predator-prey interactions, Spodoptera littoralis, Bacillus thuringiensis, Zele chlorophthalma, Paederus alferii 128. nitrogen-fixing bacteria, isolates, soil, water 4647. Zea mays, Helminthosporium turcicum blight 2792. Elehhornia crassipes, aromatic compounds, storage cells, disease resistance, antifungal activity, Cercospora rodmanii, Acremonium zonatum 8813. biological control, leaves penetration, host-pathogen interactions, Acremonium zonatum 8827.

zonatum 8827 leafspot 8818. wastewater treatment, digestion (anaerobic), role 4106.

Elkenella corrodens, antibiotic sensitivity testing, β-lactam antibiotics, fosfomycin 4793.

rivers, heterotrophic microorganisms slimes, heavy metals concentration, Eire 6716

Eisenia bicyclis Elsenia Dicyclis, β-D-glucan, biodegradation, Rhizopus exo-1,3-β-D-glucanase 3670. Elaeagnus, nodulation, actinomhizas, Frankia 8149.

noculation, acinormizas, Franka 6149.
Elaeagnus angustifolia,
leatspot, Septoria elaeagni, epidemiology, etiology 7989.
Elaeagnus umbellata,
actinormizas, Frankia, nodulation, biotyping 8158.

onumenaturi, colliormis 6761. Eucalyptus obliqua, Eucalyptus globulus subsp.bicostata, dieback, Armillaria luteobubalina 2117. measuring techniques, detection, bacteria, blood culture 2484. measuring techniques, growth, Escherichia coli 681.

Electrical properties, phyllopiane, measurement, phytopathogenic fungi spores discharges 7914.

Electrical properties, (continued)
phylioplane, phytopathogenic fungi spores discharges, Phaseolus vulgaris, Zea mays 7143. Electrophoresis, (continued) purification, characterization, carboxylase, Pseudomonas fluorescens 6869. purification, characterization, dextransucrase multiple forms, Streptococcus hylioplane, phytopathogenic fungi spores discharges, Phaseolus vulgaris, Zea mays 7925.

Electrical stimulation, purification, characterization, endonuclease, Saccharomyces cerevisiae 7756. purification, characterization, thymidine,2-oxoglutarate dioxygenase, Neurospora crassa 5122. ium chloride, +sodium nitrite, effects on bacteria microflora, beef 6976. crassa 5122.
use, detection, viruses infection, Iris 8816.
Electrophoretic mobility,
T-2 toxin, fungi 5376.
Elements,
nutrient requirements, Aspergillus, aflatoxins biosynthesis 7068. Federficity, production, animal wastes conversion, digestion (anaerobic) 5275. pseudorabies virus photoinactivation 468. pseudorabies virus pnotoinacuvation 406.

Hectrochemistry,
bioreactors, biotechnology, electron transfer 3401,
detection penicillin V precursors fermentation 1396,
dissolved oxygen levels, diagnosis, bacteriuria, antibiotic sensitivity testing,
aerobic bacteria 8345. Eleusine coracana, fungi vesicular-arbuscular mycorrhizas inoculation, greenhouses screening 2145. seeds, isolation, Drechslera pluriseptata, taxonomy, morphology 8048. yases sensors, measuring techniques, Saccharomyces cerevisiae ethanol production 1397.

1868.
immobilized cells, asparaginase detection, Serratia marcescens 6777.
immobilized dells, waste water, chemical analysis 768.
immobilized enls, waste water, chemical analysis 768.
immobilized ones, ammonia, milego 767.
mentioning, glucose feeding, Escherichia coli batch culture 676.
monitoring, glucose feeding, Escherichia coli batch culture 676.
monitoring, glucose feeding, Escherichia coli batch culture 676.
monitoring, glucose feeding, Escherichia coli batch culture 676.
monitoring glucose feeding, Escherichia coli batch culture 676.
milli segmentary glucose feeding, milli segmentary glucose feeding, Berrouc bacteria 8345.

Electrodes,
creatinic, creatinine, immobilized enzymes, creatininase, creatinase, sarcosine oxidase, Pseudomonas, Corynebacterium 89.
dissolved oxygen, fermenters 5877.
gases sensors, measuring techniques, Saccharomyces cerevisiae ethanol production 1968. creatinine determination 1605.
sensors, biotechnology 6732.
Trichoderma viride lysine 2-monoxygenase immobilized enzymes, use, assays,
L-lysine, fermenters 38.
Electrodialysis,
proteins purification 3428.
Electron microscopy,
Acholeplasma laidlawii freezing association, methanol, acetone, use, extraction, Embryo fibroblasts, chickens, live combined vaccines production, Marek's disease virus, infectious bursitis virus, herpesvirus (turkey) 7486. Embryos,
Pinus taeda, disease resistance, necrosis ultrastructure, fusiform rust,
Cronartium quercuum f.sp.fusiforme 362.
quail, cell culture, Sephadex carriers, propagation, mumps virus 7562. qual, cell culture, Sepnadox varients, production antibiotics antibacterial activity 497.

Emulafication, n-hexadecane, Candida lipolytica 9039. reversal, induction, Nocardia amarae, Corynebacterium petrophilum, water-in-oil emulsions 1878. lipids 9314 comparison, enzyme-linked immunosorbent assay, immunoelectron microscopy, use, detection, rotavirus (human), feoes 3236. 
comparison, Rolazyme, detection, rotavirus (human), feces 3239. 
detection, Rolazyme, detection, rotavirus (human), feces 3239. 
detection, Rolazyme, detection, rotavirus (human), feces active, comparison, enzyme-linked detection, rotavirus, forces, man 641. 
detection, rotavirus (human), feces, man 641. 
detection, rotavirus detection, feces microaly (human), feces, man 641. 
detection, comparised succinythransferase multienzyme complexes, thioctic 
acid localization, Escherichia coli 7702. 
Glomus, mixed infection, botacco mosaic virus, Lycopersicon esculentum 4535. 
lactic acid bacteria ultrastructure, multiplication, grain contamination 2742. 
pathology, Coprinus psychromorbidus infection, Trifactum aestivum 7933. 
ribosomal subunit 505, crystals, Bacillus stearothermophilus 874. 
rotavirus detection, comparison, counter immunoelectrophoresis, enzyme 
immunoassay 4980. 
rotavirus (human) detection, feces 1552. comparison, enzyme-linked immunosorbent assay, immunoelectron microscopy, use, Emulsifiers, biosynthesis, Acinetobacter calcoaceticus 3552. effects on vesicular stomatitis virus infection, mammalian cells, cell culture Emulsions mulsions, ipids, waste treatment, activated sludge 3195. oils, parvovirus (porcine) vaccines production, pigs 7487. pasteurization, antimicrobial activity, mathematical models, bacteria, biodetenoration 1297. water-in-oil, emulsification reversal induction, Nocardia amarae, Corynebacterium petrophilum 1878. immunoassay 4980. rotavirus (human) detection, feces 1552. staining, Congo virus surfaces structure, models 5004. + ultracentrifugation, rotavirus detection, methodology comparison 1558. ultrastructure, rhizoplane interface, soil microorganisms, books 1693. Xanthomonas campostris pr. ovryzae, growth, penetration, Oryza sativa, leaves 6243 Enantlomers, lactic acid, production, use 2-haloacid dehalogenase 8517. lactic acid, production, use 2-haloacid dehalogenase 8517.

Encephallitis, cerebrospinal fluid, herpes simplex virus 1, antigens, detection, enzyme-linked immunosorbent assay, man 652.

Encephalomyocarditis virus, interferon, antiviral activity, cell culture, mice 2226. replication, cell culture, prostaglandin E1 inhibition 7385.

Endo-9-0-glucanase, Annomonas campesurs pv.oryzae, grown, penetration, Uryza sativa, leak Electron transfer, bioreactors, electrochemistry, biotechnology 3401. fuel cells, respiration rates, dyes, redox potential mediators, bacteria 5242 redox potential mediators, fuel cells, bacteria 5243. Endo-β-D-glucanase, hydrolysis, carboxymethylcellulose, xylan, Chaetomium cellulolyticum 1752. Isdo-β-N-acetylglucoaminidase, isalation, Staphylcoccus, characterization 4324. Isdo-D-galacturonanase, immobilized enzymes, kinetics, Aspergillus 15. Endo-1,349-β-D-glucanase, hydrolysis, carboxymethylcellulose, xylan, Chaetomium cellulolyticum 1752. Endo-1,3-α-D-glucanase, prophylaxis, dertal caries, animal models 4140. Endo-1,3-α-D-glucanase, biosynthesis, Trichoderma viride 920. production, carbon sources. Idenocelluloses, aninciulhural wastas. Strentonium carbon sources. redox potential metiatoris, ruen cens, technical mediators 6099, coupling, bacteria, fuels cells, redox potential mediators 6099, coupling, bacteria, fuels cells, redox potential mediators 6101, cytochrome c oxidase, sodium azide effects on, fermentation optimization, ethanol production, Saccharomyces cerevisiae 3624. production, Saccharomyces cerevisiae 3624.
Electron transport chalin,
cytochrome c551, cytochrome c552.5, purification, characterization, multienzyme
complexes, cell membranes, Thiobacillus versutus 7703.
nodules, nitrogen fixation, Rhizobium, Pisum sativum 2972.
Electronic equipment,
preservatives 1291.
use trypsin like enzymes, light sensitization, streptomyces giseus 66.
Electrophoresis,
adenosylhomocysteinase, purification, characterization, Alcaligenes faecalis
7716. production, carbon sources, lignocelluloses, agricultural wastes, Streptomyces production, mutants selection, Trichoderma reesei 1750. production, optimization, Fusarium 1811. production, mutants selection, Trichoderma reesei 1750. production, optimization, Fusarium 1811. Streptomyces cellulosae, isolation, characterization 2572. Endo-1,3-9-D-xylenaes, eactivity, cellulaes eamples, Aspergillus niger, Trichoderma viride 8533. Aspergillus fumigatus production 1807. hydrolysis, carboxymethylcellulose, xylan, Chaetomium cellulolyticum 1752. immobilized enzymes, kneetics, polymers solubility, Penicillium funiculosum 5134. production, mutants selection, Trichoderma reesei 1750. production, Pleurotus sajor-caju 90. production, thermal stability, Thielavia terrestris 5181. Pseudocercosporella herpotrichoides, biosynthesis, activity, isolation, characterization 7761. role Sclerotinia sclerotiorum, pathogenesis, virulence, Heliamthus annuus 2010. Streptomyces flavorgiseus, production, hemicelluloses, sodium hydroxide hydrolysis, Cellulomonas 2566. Trichoderma reesei, production, activity 3496. xylan hydrolysis, Cellulomonas 2566. Endo-1,4-9-D-glucanase, activity, Bacteroides succinogenes 3517. Penicillium janthinellum, purification, characterization, Aeromonas hydrophila subsp.anaerogenes 5135. purification, characterization, Aeromonas hydrophila subsp.anaerogenes 5135. purification, characterization, Aeromonas production, spergillus tamarii 5984. Endo-1,4-9-D-xylenase, biosynthesis, characterization, Neurospora crassa 6013. cellobiose, xylosyl acceptors, Cryptococcus albidus 3671. purification, characterization, Neurospora crassa 6013. cellobiose, xylosyl acceptors, Cryptococcus albidus 3671. purification, characterization, potatoes tissue disintegration. Bacillus subtilis funding anticipation, characterization, potatoes tissue disintegration. 7716.

Alcohol dehydrogenase, ethanol contamination, yeasts 7687.

detection, potato spindle tuber viroid, Solanum tuberosum 8861.

Escherichia coli, lippoplysaccharides characterization 6058.

esterase, Yersinia enterocolitica, Yersinia pseudotuberculosis

subep, pseudotuberculosis 6856.

R factors, antibiotic resistance, epidemiology, clinical isolates, Salmonella typhi 4001. ypni 4001.
gels, use, yeasts mitochondria tRNA characterization, methodology 3362.
herpesvirus DNA detection, mammalian cells 4977.
immunoprecipitation, antibodies, specificity, respiratory syncytial virus,
methodology, detection, viroids, viruses, plants 4152.
methodology, detection, viroids, viruses, plants 4152.
methodology, identification, association, antigenic characteristics, Rhizobium
mellioid 4184. methodology, iron reduction enzymatic activity, Rhodopseudomonas sphaeroides monoclonal antibodies, diagnosis, plant diseases, microorganisms, methodology 7921 nicillin-binding protein, Escherichia coli 3441 Persea americana, detection, plant diseases, avocado sunblotch disease viroid phenylalanyl-tRNA synthetase, purification, characterization, Escherichia coli 5995. proteins, cytoplasm, Streptococcus mutans 6806. purification, characterization, α-D-glucosidase, Bacillus stearothermophilus

Endo-1,5-c-L-arabinase, purification, characterization, potatoes tissue disintegration, Bacillus subtilis

purification, characterization, acyl-CoA dehydrogenase (NADP+), Escherichia coli 7697.

```
ndo-1,5-α-L-arabinase, (continued)
1761.
Bacillus thuringiensis, serotypes, toxicity, Aedes eegypti, biological control 8635.

Bacillus thuringiensis subsp. entomocidus, biological control, Spodoptera littoralis 3563.

Bacillus thuringiensis subsp.entomocidus, biological control, Spodoptera littoralis, Spodoptera exigua 3566.

Bacillus thuringiensis subsp.kurstakl, biological control, Spodoptera littoralis, Spodoptera exigua 3566.

Bacillus thuringiensis, use, biological control, larvae, Spodoptera littoralis, Spodoptera exigua 3566.

Bacillus thuringiensis, use, biological control, larvae, Spodoptera littoralis, Boarmia selenaria 118.

Bacteria, Limulus lysate test 1958.

bacteria, Limulus lysate test, reviews 4490.

Campylobacter fetus subsp.jejuni, lipopolysaccharides, carbohydrate composition, toxicity testing, mice 1345.

contamination, raw materials use production contamination 8342.

Cytophaga, humidflers, kertile industry, allergic alveolitis, man 1944.

glycolipids, chemical composition, uttrastructure, Salmonella minnesota 4477.

gram-negative bacteria, antibodies, enzyme-linked immunosorbert assay detection, blood 1939.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         blood 1939.
gram-negative bacteria, humidifiers, allergic alveolitis, man 1943.
gram-negative bacteria, levels, dust, oliseed crops, Gossypium hirsutum 5384.
lipid A proteins complex, characterization, purification, Yersinia pseudotuberculosis subsp. pseudotuberculosis 3763.
plasma levels, Limulus lysate test methodology 1941.
polysaccharides structure, Bordetella pertussis 7124, producton, Klebsiella pneumoniae, Enterobacter cloacae, lipids emulsions 1946.
Salmonella minnesota, ultrastructure, 3759.
Salmonella minnesota, ultrastructure, hydrophobicity, acids, bases treatment effects on 4476.
spirochaetes, Limulus lysate tast. Lyme disease, 1897.
treatment, bacteria, clinical isolates, antibiotic sensitivity testing, cattle 4813.
4813.

ndomycopsie,
amylolytic enzymes production 8546.
ndomycopsie fibulitgers,
ewo-1,4-a-D-glucosidase, a-amylase, production, optmization,
carbohydrates hydrohysis 5193.

ndomycorrhizze,
add phosphatase activity, Epidendrum ibagnense 8199.
effects on host plants growth, association clays media 2136.
Glomus fasciculatum, +Rhizobium, +phosphate, inoculation, Vigna unguiculata,
Cajanus cajan 2945.
Glomus mosseae, growth models, symbiosis, roots, Allium porrum 3934.
Glomus mosseae, 3rhizobium, inoculation, growth stimulation, Acacia holoserices,
Acaca raddiana 6355.
interaction, nthrogen, phosphorus, growth, Lolium perenne 8971.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ergetics,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        photosynthesis, batch culture, continuous conto.

Energy,
production, biomass, biotechnology, conferences, books 4248,
production, biomass use, conferences, books 1700.

role, Pyricularia oryzae pathogenicity, Oryza sattiva varieties 1132.

Energy balance,
mass, anaerobic bacteria methanogenesis 4679.

nitrogen fixation, Phizobium leguminosarum var.phaseoli, cultivars strains
interaction, Phaseolus vulgaris 8238.

Energy charge,
Streptomyces griseus, A-factor intracellular levels effects on 4846.
activity, temperature, sodium dodecyl sulfate effects on, Bacillus sphaericus 5129.

doraecium acaciee, rust, Acacia, Hawaii 7236.
dodraecium hawaiiense, rust, Acacia, Hawaii 7236.
docaecim, hawaiiense, rust, Acacia, Hawaii 7236.
docaecim, hawaiiense, rust, Acacia, Hawaii 7236.
docaecim, characterization, Zea mays hybrids, association aflatoxins contamination, environmental effects 8724.
Zea mays, mutants, effects on, seedlings, Fusarium moniliforme, infection 3804.
docaecres, docaecim, acacie, reducing acacie, carbon sources, soil 4619.
docaecres, formation, Bacillus, nutrient requirements, carbon sources, soil 4619.
docthia hevanensia,
Eucalyptus marginata canker, pathology 370.
docthia perasitica,
blight, vectors, Lehmannia marginata, Castanea 8954.
canker, pathogenesis, Castanea dentata, Castanea mollissima 3914.
hypovirulence, strains incompatibility, genetic analysis, biological control, chestrut blight 368.
hypovirulence, strains incompatibility, genetic analysis, biological control, blight, Castanea dentata 8184.
infection, Castanea dentata 8184.
infection, Castanea dentata, incidence 4526.
kliller factor, double-stranded RNA, virulence, biological control, blight,
Castanea dentata 8638.
milk-clotting enzymes, gel electrophoresis 6876.
milk-clotting enzymes, purification, affinity chromatography 62.
proteinase, amylase activity 8599.
renin, proteolysis, cheese 2741,
virulence conversion, Castanea dentata isolates, blight biological control 6326.
virulence gene mapping, use biological control, blight, Castanea dentata 8183.
docthielle aggregata sp.nov.,
park infection, Ca
```

Energy metabolism,
active transport, plasma membranes, sodium dodecyl sulfate inhibition,
Enterobacter cloacae 7549,
nodules, nitrogen fixation, Rhizobium, Pisum sativum 2972,
relationship phosphate, inhibition, arsenic acid resistance, streptothricin
biosynthesis, Streptomyces noursei 7470.

Energy requirements,
bacteria, association, monomers biosynthesis, excretion, mathematical models
8512,

Endotoxin, Bacillus sphaericus, spore crystals, toxicity, larvae, Culex pipiens, Anopheles stephensi 3572. Indotoxin,

Endotóxin, Bacillus thuringiensis subsp.israelensis, cytopathology, cell culture, Aedes Bacillus thuringiensis subsp.kurstaki, cytotoxicity, binding, glycoproteins Bacillus thuringiensis subsp.kurstaki, cytotoxicity, binding, glycoproteins Sacillus thuringiensis, toxicity, biological control, Pectinophora gossypiella. Earias insulana, Agrotis ipsilon 5247.

γ-Endotoxin, production, media (culture), Bacillus thuringiensis var.kurstaki 7786.

Endotoxins, anorexia induction, Choristoneura fumiferana, biological control, Bacillus anorexia induction, conorstoneura umiterana, piological comirol, bacillus thuringiensis 3570.

Bacillus thuringiensis, biological control, Anopheles sundaicus 134.

Bacillus thuringiensis, Choristoneura furniferana, cell lines, selection, resistance 6895.

Bacillus thuringiensis, serotypes, toxicity, Aedes aegypti, biological control 8235.

spirochaetes, Limulus lysate test, Lyme disease 5385.

microorganisms growth, models, reviews 2427.
photosynthesis, batch culture, continuous culture, phototrophic bacteria 9304.

Streptomyces griseus, A-factor intracellular levels effects on 4846. Energy metabolism,

anol fermentation, reduction 174.

Energy resources, ucts, industrial wastes, processing, citrus 6102. Immeritation production and a state of the state of t

3417.
Salix caprea cellulose, cellulase hydrolysis 8676.
wood biodegradation, batch culture, digestion (anaerobic), microorganisms 3655.
Energy utilization,
ducks, aflatoxins dietary intake effects on 3721.
thermodynamics, microorganisms 653.
Enilconazole,
Enilconazole,

disease control, post-harvest decay, oranges, stem rot, green mold 5470. Enkephalin,

radioimmunoassay, Staphylococcus aureus protein A 1606. Enoic acid, Clostridium sporogenes, reduction, ATP biosynthesis 1842.

Enolase,

cadmium(II) activation, kinetics, dissociation, yeasts 3485.

Enoxacin, antibacterial activity 449

antibacterial activity, Enterobacteriaceae 6448. antibacterial activity, Pseudomonas aeruginosa 9090. cross-resistance, Pseudomonas aeruginosa, Escherichia coli 6421. synthesis, structure-activity relationships 7364.

Enterities.

Enterrus,
Campylobacter fetus subsp.jejuni, antibodies detection, enzyme immunoassay
methodology, man 782.
Campylobacter fetus subsp.jejuni, diagnosis, smears methodology 3297.
Enterobacter,

Enterobacter,
antibacterial activity, apalcillin 4840,
antibacterial activity, fludalanine+pentizidone 6454,
antibacterial activity, fludalanine+pentizidone 6454,
antibiotic resistance, cross-resistance, cephalosporins, penicillins 7352,
3-lactam antibiotics antibiotic resistance, antibacterial activity, celotiam 4711,
monosodium methanearsonate, metabolism, conversion 1284,
netilmicin sensitivity 6401,
population levels, wetwood, Populus euramericana 8953.
Enterobacter aerogenes,
immobilized cells, solvents production, reviews 3575,
nitrogen fixation, bark, Brugulera gymnorrhiza 2098,
oxygen consumption, batch culture, continuous culture 6776,
whey fermentation, 2,3-butylene glycol production 2643.

Enterobacteriaceae, (continued) Enterobacter agglomerana, endotoxins levels, grain dust, gram-negative bacteria 7109. feeds contamination, chickens 7009. 1616 quality control, reagents, use, identification 1370.
recovery, bottles methodology comparison, clinical isolates 5038.
spoilage, detection, Limulus lysate test, catalase production, luncheon meat Enterobacter cloacae Interobacter closcae,
6-aninopenicilianic acid, new records, β-lactamase inhibition 2263.
antibacterial activity, WIN 49375 9091.
antibiotic resistance, β-lactamase, hydrolysis, antibacterial activity,
(D,L)-7-(a-fluoroacylamino)cephalosporanic acids 9190.
antibiotic sensitivity testing, ampicillin, amoxycillin 2198.
association, Hyalelia azteca, methodology, characterization, drinking water,
disinfection 6712. spoilage, smoke preservation, seafood, Scombridae 8718. Enterobactin, scandium(III) iron(III) complex, antibacterial activity, gram-negative bacteria disinfection 6/12.

Chloramines disinfection, pH effects on 9246.
feeds contamination, chickens 7009.
growth, endotoxins production, lipids emulsions 1946.
inhibition, active transport, plasma membranes, sodium dodecyl sulfate inhibition. 5727.

Enterotoxin A, formation, Staphylococcus aureus, canned food, bacon 6979. multiple forms, purification, characterization, Staphylococcus 2769. production, purification, Staphylococcus 1948. production, thermal injury, Staphylococcus aureus 7913. Staphylococcus aureus, radioimmunoassay, food 1942. Staphylococcus aureus, sides assays 4489. Enterotoxin B. growin, successive transport, plasma membranes, sodium outcey, suminibition, active transport, plasma membranes, sodium outcey, suminibition, terioritini, antibacterial activity 2261.

P-lactamase, inhibition, temocillin, cefoxitin, structure-activity relationships 5120.

P-lactamase, X-ray crystallography 1760.

nitrogen fixation, bark, Bruguiera gymnorrhiza 2098.

nitrogen fixing bacteria, Saccharum 5652.

norfloxacin drug sensitivity testing 9095.

servtyping, use, blood group O artigens 3296.

Enterobacteriaceee,

2-acetylgymindine, 2-acetylquinolline, 1-acetylisoquinolline,

3-acetylisoquinoline, thiosemicarbazones, ambacterial activity 7372.

artibilacterial activity, azfreonam: 5-lactam antibiotics, ± amikacin
3156.

antibacterial activity, cefotaxime, moxalactam, temocillin 5754. chromatofocusing, Staphylococcus aureus, characterization 1086, production, purification, Staphylococcus 1948. Staphylococcus aureus, slides assays 4489. Staphylococcus, detection, skin tests, guinea-pigs, methodology 233. Enterotoxin C, Staphylococcus, aureus, slides assays 4469. Staphylococcus
Enterotoxin C1,
chromatofocus
Enterotoxin C3, us aureus, slides assays 4489. sing, Staphylococcus aureus, characterization 1086. 3156.
antibacterial activity, cefotaxime, moxalactam, temocillin 5754.
antibacterial activity, cefuzoxime 4827.
antibacterial activity, cephalosporins 3099.
antibacterial activity, ciprofloxacin 4745.
antibacterial activity, ciprofloxacin 4746.
antibacterial activity, ciprofloxacin, comparison, norfloxacin, nalidixic acid 6465. Staphylococcus aureus, isolation, characterization 8751. Enterotoxina, interotoxins,
ADP-ribosyl transferase, nucleotide sequence, amino acid sequence, comparison biosynthesis, Escherichia coli, Vibrio cholerae 7120. biosynthesis, Aeromonas biotypes 2767. biosynthesis, Staphylococcus aureus, cilinical isolates 2199. biosynthesis, Staphylococcus aureus, milik isolation bacteria antagonism 8707. biosynthesis, Ixaxonomic significance, Aeromonas 3760. Campylobacter jejuni, purification 8749. Clostridium perringens, antisera preparation methodology, 1959. Clostridium spiroforme, purification, characterization, toxicity testing 4481. detection methodology, Escherichia coli serotyping, Vero cells 3345. detection, nitrocellulose enzyme-linked immunosorbent assay, Escherichia coli, Vibrio cholerae 4179. antibacterial activity, enoxacin 6448. antibacterial activity, moxalactam, ceftazidime 9186. antibacterial activity, moxalactam, ceftazidime 9186. antibacterial activity, temocillin 3105. antibacterial activity, temocillin, antibiobte synergism, β-lactam antibacterial activity, temocillin, antibiobte synergism, antibiotics 3122. antibacterial activity, ticarcillin+clavulanic acid 9191 Vibrio cholerae 4179. vibrio cnolerae 41/9. Escherichia coli, adsorption filter paper, hemolysis assays 4485. Escherichia coli, assays methodology 3354. Escherichia coli, biosynthesis, properties, antibiotics effects on 228. Escherichia coli, detection, Biken test, traveller's diarrhea clinical isolates antibacterial activity, ticarcillin, clavulanic acid, piperacillin, cefotaxime 4809
artibiotic PCE 22101 antibacterial activity 1431.
artibiotic resistance, 8-lactamase, plasmids 8290.
artibiotic resistance, 8-lactamase, plasmids 8290.
artibiotic resistance, artibacterial activity, tyrothricin, gramicidin 7477.
artibiotic sensitivity testing, antibiotic BR8070 6510.
artibiotic sensitivity testing, antibiotic SR&F 88070 6510.
artibiotic sensitivity testing, measuring techniques, automated methods comparison 3081.
artibiotic sensitivity testing, R factors, clinical isolates, nosocomial infection 4693.
artibiotic sensitivity testing, R factors, clinical isolates, nosocomial infection 4693. 1938. Escherichia coli, detection, enzyme-linked immunosorbent assay 1937. Escherichia coli, detection, enzyme-linked immunosorbent assay 7123. Escherichia coli, detection, enzyme-linked immunosorbent assay, methodology 874 Escherichia coli, detection, ganglioside GM1+enzyme-linked immunosorbent assay. 1960.
Escherichia coli, detection methodology 5380.
Escherichia coli, genes probes 5389.
Escherichia coli, hornogeneity, amino acid composition 6212.
Escherichia coli, isolation, characterization, cattle isolates 8762.
Escherichia coli, production, detection, feces, supernatants 1961.
food contamination, enzyme-linked immunosorbent assay, Staphylococcus 8737.
genes, probes, Escherichia coli detection, water, DNA hybridization analysis 1087. antibiotic synergism, β-lactam antibiotics+amikacin, antibacterial activity 9165.
blood culture, identification, methodology 5053.
cefmenoxime antibacterial activity, comparison, cefotaxime, moxalactam 1388.
cefpiramide, antibacterial activity, 4821.
ceftriaxone antibacterial activity, agar diffusion test 1392.
ceptrofloxacin, antibacterial activity, aminoglycoside antibiotics 7444.
clinical isolates, antibacterial activity, bactericidal activity, dibekacin,
gentamicin, tobramycin 6540.
clinical isolates, antibacterial activity, clavulanic acid+ticarcillin 4835.
clinical isolates, antibacterial activity, clavulanic acid+ticarcillin 4835.
clinical isolates, antibacterial activity, clavulanic acid+ticarcillin 4835.
clinical isolates, antibacteria, activity, clavulanic acid-ticarcillin 4835.
clinical isolates, antibiotic resistance, aminoglycoside antibiotics, Turkey, USA
2195. production association, Escherichia coli identification, hybridization analysis 1934. production, clinical isolates, Campylobacter jejuni 7113. production, Escherichia coli plasmids, gene expression, colonization factors 1935.
production, Escherichia coli, Vibrio cholerae, detection, radioimmunoassay 3272.
production, factors affecting, Staphylococcus aureus 4475.
production, Staphylococcus aureus, initation cheese 581.
production, Staphylococcus aureus, mastitis isolates, cattle 231.
production, Staphylococcus aureus, phage typing, serotyping, clinics, foods 4479.
production, Yersinia enterocolitica, food confamination 8753.
purification, characterization, Escherichia coli 232.
Salmonella, detection methodology, CHO cells use 1933.
Salmonella weltevreden, biosynthesis, purification 2765.
Staphylococcus, deserverse hemagglutination, detection food contamination 7905. 1935 clinical isolates, antibiotic resistance, aminoglycoside antibiotics, Turkey, USA 2195.

clinical isolates, antibiotic sensitivity testing, quinolones, derivatives 4726.

clinical isolates, cephalosporins, enhancement, bactericidal activity, amikacin, gentamicin 6513.

clinical isolates, moxalactam, antibacterial activity 5768.

detergents resistance 7339.

clinical isolates, moxalactam, antibacterial activity 5768.

detergents resistance 7399.

drug sensitivity testing, cotrimoxazole, methodology 7371.

R factors, antibiotic resistance 4002.

feeds contamination, perivens 7039.

tood contamination, seafood, Pisces 8712.

growth, blood culture, correlation, hypertonicity, antibiotics 783.

hydrogen production, isolates, bioreactors 6923.

identification, automated methods 2251.

identification, automated methods 251.

identification, AutoMicrobic test, computer applications 1645.

identification, AutoMicrobic test, Computer applications 1645.

identification, Testes of the feed of 686.

identification methodology 732.

identification methodology 742.

identification methodology 4197.

identification methodology, Autobac test use 788.

identification, use, pyrolysis, chromatography 3324.

Inc plasmids, antibiotics, effects on, antibiotic resistance, 6423.

isolation, waste water, gentamicin antibiotic resistance, plasmids transmission 9076. Vibrio mimicus clinical isolates, purification, characterization 8758. Enterovirus, antibodies, serum, detection, radioimmunoassay 8448 antipodies, serum, detection, radioimmunoassay 8449.
association, suspended matter, microbial pollution, lakes 9255.
concentration, surface water, water quality, effects on 5853.
detection, enzyme-linked immunosorbent assay methodology, serum, man 5010.
detection, nucleic acids hybridization analysis, coxsackievirus B3 DNA use 4979.
disirfection, heat-hybridgaen persoxide, septic tanks effluents 9243.
disirfection, peracetic acid, sewage effluents 6695.
enumeration, activated sludge, characterization 4930.
indicator species, microbial pollution, seasonal variations, coastal waters, beaches 6708.
isolation, Callinectes sanidus popularition, methodology. beaches 67/08 isolation, Callinectes sapidus, concentration, methodology 2431, isolation, Callinectes sapidus, concentration, methodology 2431, isolation, waste water, use, mammalian cells, cell lines 4150, levels, detection methodology, surface water, drinking water, reviews 2384. levels, disease transmission, ground water, reviews 2385, levels, measuring techniques, drinking water, waste water, lakes, marine environment 7532. 9076 β-lactam antibiotics resistance, relationship, β-lactamase production β-lactamase, biosynthesis, inducers, correlation, penicillins, antibacterial B-lactamase, roleyntnesis, induceris, correlation, perintininis, antibacterial activity 2261.
β-lactamase, role antibacterial activity, moxalactam 5769.
nethimicin sensitivity 6401.
norfloxacin, comparison, nalidixic acid, cinoxacin, oxolinic acid, antibacterial environment 752c.

microbial politution, comparison, bacteria indicator species, swimming pools, Romania 2409.

microbial politution, drinking water, lakes, Mexico 7526, microbial politution, drinking water, phages use pollution indicators association hormusaum companies and activity 7373. Sensitivity testing 9095.
norfloxacin drug sensitivity testing 9095.
outer membranes membrane proteins ompA gene detection, hybridization analysis

8425

2387

microbial pollution, environmental monitoring, measuring techniques, reviews

merovirue, (continued)
microbial pollution, ground water, waste water irrigation 5852.
microbial pollution, wastewater treatment, disinfection, ozone 2372.
reduction, wastewater treatment 6676.
removal, surface water, water treatment, Netherlands 4953.
sewage, inactivation, role, ozone 4928.
tterovirus (bovine),

nactivation, slurines, pigs, factors affecting digestion (anaerobic) 6684.

narovirus (human) 70,

antiviral activity, antibodies+interferon, conjunctiva cell culture, man 2227.

ntomophthora culticis,

pathogenicity. Anophelas stephensi, Culex pipiens quinquefasciatus 138.

double-stranded RNA viruses, role virulence, biological control, Choristoneura 8634.

8834.
Interception, culture, pathogens, biological control, Noctuidae 6088.
Intemophthora planchonlana,
biological control, pathogenicity, field trials, Aphididae 5230.
cell culture methodology 5938.
pathogens, biological control, orchards, Italy, Corylobium avellanae 5234.
biological control, research programs, Aphididae 5232.
Intemoporation, research programs, Aphididae 5232.

piological control, research programs, Aphididae 5232.

http://documer.com/documer/doc

(curure) 9301.

welopea,
antigens, cytomegalovirus (human), vaccines, immunity (cell-mediated), immunity
(humoral), guinea-pigs 4072.

Escherichia coli defective mutant, B-lactamase biosynthesis, excretion 2601.

mutants, Escherichia coli, Pseudomonas aeruginosa, sensitivity, association,
antibiotics, preservatives, cell membranes role 3080.

mutation, enhancement, antibiotics susceptibility, Neisseria gonorrhoeae,
clinical isolates 5761.

proteins, influenza virus, isolation, immunogenicity, vaccines production, mice
6820.

. 2986.
Bhizobium, nitrogen fixation, acetylene reduction, nitrogen-15, Trifolium subterraneum 2985.
Mytrommental conditions, burns unit, epidemics Staphylococcus aureus, man 2410.
hytronmental effects, effects

affatoxins contamination Zea mays hybrids, endosperm characterization assot 8724. 
ectomycorrhizas inoculation, trees response association, reviews 350. 
Myxomycetes, soil, altitude, USA, Rocky Mountains 387. 
pathogenesis, grey mold, Botrytis cinerea, Phaseotius vulgaris 1114. 
plants response association vesicular-arbuscular mycorrhizas, reviews 390. 
Pseudomonas putida continuous culture, films formation 669. 
Pythium ultimum survival, soil 3926. 
Cladosporium carpophilum, conidia release, disease spread, scab 272. 
Cladosporium carpophilum, conidia release, disease pread, scab 272. 
disease resistance, screening, Phytophthora cryptogea, root rot, Carthamus inctorius 7970.

unctonus 7970.

effects on spore germination, Homobasidiomycetes, ectomycorrhizas 2130.
forests soil, effects on bacteria enumeration 1231.

introgenase activity, nitrogen-fixing bacteria, rhizosphere, pasture 9018.
plant diseases, epidemiology 1097.

population levels, ecological distribution, actinomycetes, soil, Australia 6991.
relationship ureides levels, nitrogen fixation, acetylene reduction, Glycine max 2162

cular-arbuscular mycorrhizas, roots colonization, Atriplex gardneri, deserts 385

vesicular-arbuscular mycorrhizas, roots colonization, Atriplex gardneri, deserts 385
1/tironmental hyglene, bacteria aerosols, mortuaries, ventilation 2415. carcasses disposal, pathogens 2360. cosmetics production, quality control 8426. dentistry, sterilization, disinfection, asepsis 1519, disease control, surgery, antiseptics, hospitals 1518. disinfection, Pseudomonas, sterilization 1516. enzyme-linked immunosorbent assay equipment, microorganisms contamination 2413. microbial pollution, public health, conferences 7642. nonsocomial infection, epidemiology, disease control, conferences 1501. sewage studge, digestion (aerobic) 2366. sewage studge, digestion (aerobic) 2366. sewage studge, digestion (aerobic) 2365. solid wastes disposal, conferences 2548. waste disposal, pathogens, hospitals 2379. waste disposal, pathogens, hospitals 2359. vironmental monitoring, viruses microbial pollution, measuring techniques, reviews 2387. vironmental studies, without a stress, introduced the stress, introduced the stress introduced

petecton, amnoglycoside antibiotics, inactivation, p-latitatif antibiotics 4861.

detection, Clostridium difficile toxins, feces 6216.

detection, Epstein-Barr virus immunoglobulin M 1568.

detection, Erwinia carotovora subsp. atroseptica 8464.

detection, immunity, tetanus, man, methodology 8461.

detection, Salmonella food contamination 8478.

diagnosis, genitourinary tract gonorrha. Neisseria gonorrhoeae 2481.

hagnosis, leptospirosis, Leptospira 8477.

Enzyme Immunoassay, (continued)
hepatitis B surface antigen 4983.
herpes simplex virus sercepidemiology, man, serum, cerebrospinal fluid 614.
immunodiagnosis, gonorrhea 2492.
kanamycin labelling 3109.
La Crosse virus antigens, Aedes triseriatus 609.
membrane filtration, enumeration, Staphylococcus aureus, food, methodology 6968.
methodology, antibodies detection, Campylobacter fetus subsp.jejuni enteritis,
man 782.
methodology antibodies detection, varicelle, ractor, virus esceletares entires.

methodology, antibodies detection, varicella-zoster virus membranes antigens

5880.

methodology, immunoglobulin G detection, measles virus hemagglutinins 8442.
methodology, Streptococcus group B antigens detection, man 5065.
Neissaria gonorrhoeae antigens detection 1180.
paper, ribgrass mosaic virus detection, Brassica chinensis 1147.
parainfluenza virus serotypes, cell culture 602.
rotavirus detection, comparison, counter immunoelectrophoresis, electron microscopy 4980.

Televirus detection, comparison, immunoelectron microscopy 611,

rotavirus detection, comparison immunoelectron microscopy 611.
rotavirus detection, methodology comparison 1558.
substrates, measuring techniques, Haemophilus influenzae poly(ribosephosphate)

724.

Enzyme polymorphism, Hordungs, Internation powdery mildew disease resistance, Enysiphe graminis f.sp. hordei 720.

Enzyme polymorphism, Hordeum sportaneum, plant breeding, correlation powdery mildew disease resistance, Enysiphe graminis f.sp. hordei 7209.

Enzyme-linked Immunosorbent assay, antibodies detection, hemorrhagic enteritis virus, turkeys 4153. antibodies detection, immunodiagnosis, infection, Chlamydia trachomatis, Chlamydia patitaci 4183. antibody response, fowl cholera vaccination, chickens 3343. antibody response, fowl cholera vaccinesto, comparison neutralization 2436. antitigens comparison, immunodiagnosis, African swine fever virus 1542. antigens comparison, immunodiagnosis, African swine fever virus 1542. antigens detection, Bacteroides fragilis, experimental infection, urine, rats 6772. biotin 4 avidin enhancement, detection, hemses simplex virus man 4154.

6772.

biolin-1avidin enhancament, detection, herpes simplex virus, man 4154.
Brucella abortus antigens detection, secretion, vagina, cattle 6763.
Candida albicans antigens detection, 252.
capture monocional antibodies, coronavirus (bovine) detection, man 4167.
chemilluminescence, diagnosis, viruses infection 1552.
Citrus, detection, apple mosaic virus, prunus necrotic ringspot virus, prune dwarf virus 6249.
Clostridium tetani antitoxins 5383.
comparison, agglutination, detection, antigen Vi, Salmonella typhi, use, diagnosis 663.
comparison, counter immunoelectrophoresis, radioimmunoassay, passive reverse hemagglutination, sensitivity, specificity, hepatitis B surface antigen 7568.
comparison, electron microscopy, immunoelectron microscopy, use, detection, rotavirus (human), fleces 3236.

hemaggiutination, sensitivity, specificity, hepatitis is surface artitigen 7:56s. Comparison, electron microscopy, immunoelectron microscopy, insee, detection, rotavirus (human), feces 3236. Comparison, fluorescent antibody test, characterization, immunity, varicella-zoster virus, man 636. Comparison, Haemophilus influenzae detection methodology, man 2465. Comparison, Haemophilus influenzae detection, rubella virus, man 5016. Comparison, radioimmunoassay, detection, Haemophilus influenzae antibodies 2515. Coronavirus antibodies detection, radioimmunoassay comparison 2430. detection, antibodies detection, radioimmunoassay comparison 2430. detection, antibodies, avian infectious bronchits virus, infectious bursitis virus. Newcastle disease virus, methodology 5017. detection, antibodies, avian infectious bronchits virus, infectious bursitis virus. Newcastle disease virus, methodology 5017. detection, antibodies, endotoxins, gram-negative bacteria, blood 1939. detection, antibodies, espesien-Barr virus antigens 6739. detection, antibodies, use, protein M, influenza virus 1541. detection, antipens, antibodies, areavirus 8455. detection, Bacteroides fragilis antigens, urine, man 7604. detection, Bacteroides fragilis antigens, urine, man 7604. detection, Bacteroides fragilis antigens, urine, man 7604. detection, Darley yellow dward virus, Gramineae 8802. detection, Drome mosaic virus, seed-borne diseases, transmission (seed), seeds, Triticum astruum 8767. detection, Chlamydia antigens 5068. detection, Chlamydia, immunoglobulin G, immunoglobulin M 760. detection, Chlamydia, immunoglobulin G, immunoglobulin M 760. detection, Clostridium testion, methodology 3110. detection, clostridium testion, methodology 3110. detection, clostridium testion, methodology 3110. detection, pethodologion, enterotoxins 7123. detection, Escherichia coli, enterotoxins 7123. detection, pethodologion enterotoxins 7123. detection, hepatitis B e artigen 2441. detection, hepatitis B etarigen 2441. detection, hepatitis B etarigen 2441. detection,

detection, nerpes simples must man 652.

man 652.
detection, herpesvirus (equine) 1 antigens 3246.
detection, immunoglobulin G, Mycobacterium tuberculosis, proteins, cerebrospinal fluid, meningitis, man 6773.

tituid, mehingiiis, man 17/33. detection, Leguminosae plant viruses 7927. detection, Mycobacterium antibodies, leprosy 5057. detection, Mycobacterium antibodies, leprosy 5901. detection, Mycoplasma hyopneumoniae antibodies, comparison, indirect hemagglutinaision, complement fixation 740. detection, Neisseria gonorrhoeae, genital tract, methudology, comparison, man 7607

7607.

detection, Pasteurella multocida, antibodies, chickens 5074.

detection, potato leaf roll virus, potato virus Y, Solanum tuberosum 5883.

detection, potato virus Y, potato virus A, tubers, Solanum tuberosum 4538.

detection, prune dwarf virus infection, Prunus cerasus 8804.

detection, Prunus necrotic irrigspot virus mosaic disease, Prunus avium, use,

disease control, USA, Washington 3812.

detection, Pseudomonas aeruginosa sodium alginate extracellular polymers

antibodies 761.

detection recepratory exportial virus antibodies 1554.

detection, respiratory syncytial virus antibodies 1554.
detection, respiratory syncytial virus, methodology 1561.
detection, totavirus, coronavirus, feces, cattle, comparison, electron microscopy

detection, rotavirus (human), feces, man 641 detection, Staphylococcus enterotoxins 1947.

Enzymes, (continued)
biodegradation, phenol, toluic acid, p-cresol, Alcaligenes eutrophus 4422.
bioreactors, mass transfer, mathematical models 6026.
bioreactors, use, L-alanine synthesis 4261.
biosynthesis, Hansenula polymorpha peroxisomes 4276.
biosynthesis inhibition, Staphylococcus aureus, lincomycin antibacterial activity 9197. Enzyme-linked Immunosorbent assay, (continued) detection, T-2 toxin, Fusarium sporotrichioides, Zea mays 5365. detection, tobacco mosaic virus, tobacco ringspot virus, dieback, Fraxinus americana 9951. delection, T-2 toxin, Fusarium sporotrichioides, Zea mays 5365. detaction, tobacco mosaic virus, tobacco ringspot virus, elieback, Fraxinus americana 8951. detection, tomator ingspot virus infection, Prunus persica 3813. diagnosis, pneumonia, Mycoplasma hyopneumoniae, pigs 5894. diagnosis, pneumonia, Mycoplasma hyopneumoniae, pigs 5894. diagnosis, pneumonia, Mycoplasma hyopneumoniae, pigs 5894. diagnosis, respiratory syncylal virus infection, children 1564. enumeration, Treponema pallidum, methodology 5034. equipment, microorganisms contamination, environmental hygiene 2413. food contamination, enterotoxins, Staphylococcus 8737. +ganglioside GM1, detection, Escherichia coli enterotoxins 1960. hepatitis B e antigen 5012. inchesional contamination, infectious pancreatic necrosis virus 2445. immunity detection, Newcastle disease, chickens 3244. immunodiagnosis, Infectious mononucleosis, Epsteinn-Barr virus, immunodiagnosis, Mycoplasma pneumoniae infection 657. immunodiagnosis, Mycoplasma pneumoniae infection 657. immunodiagnosis, Pocky Mountain spotted fever 2471. immunodiagnosis, Pocky Mountain spotted fever 2471. immunodiagnosis, virus, sfalse-positives 8438. immunodiagnosis, syphilis 712. immunoglobulin G, Coxiella burnetti, Q fever, man 2496. immunoglobulin G, detection, Mycopaderium paratuberculosis reactivity 3324. immunoglobulin M detection, cytomegalovirus (human) diagnosis, man 6742. immunoglobulin M detection, cytomegalovirus (human) diagnosis, man 6742. immunoglobulin M detection, pantitis A, man 4156. influenza virus neuramindase antibodies detection 1567. Japanese encephalitis virus, immunoglobulin M, immunoglobulin G, costella burnetti, experimental infection, pigs 5011. idnettics dependent, detection, Legionella pneumophila antibodies 2512. ligid A fractions, thin-layer chromatography 5064. measies virus immunity detection, serum, man 8456. methodology, correlection, legionella forumoglobulin G measuring techniques, antibodies detection pigs serum 5063. methodology, cytomegalovirus immunoglobulin G 9197.
biosynthesis, regulation, industrial strains, bacteria 2603.
biotechnology, books 5098.
biotechnology, cloning vectors, DNA recombination 4297.
biotechnology, thermophilic bacteria 2628.
biotechnology, thermophilic bacteria 7794.
carbohydrates degradation, brown rot, Poria placenta 6820.
cell walls degradation, Penicillium steckii, cocoa beans biodeterioration
association 2823. cellulolytic microorganisms, macromolecules hydrolysis, pretreatment effects on 187. digestion, phloem, isolation mycoplasma-like organisms, Catharanthus roseus 281 Erwinia carotovora, Pseudomonas, separation, cells, extracts, ultrafiltration, factors affecting 6019. ethanol fermentation, distilleries, breweries 161. fermentation, comparison, Alcaligenes, Nocardia opaca, Xanthobacter autotrophica. rermentation, comparison, Alcaligenes, Nocardia opaca, Xanthobacter autotrophing to the control of the control methodology, cytomegalovirus immunoglobulin G quantification, man 649. methodology, detection, equine infectious anemia virus, antigens, antibodies 4162. low molecular weight inhibitors, antibiotics, reviews 490. melanoidin color removal, Coriolus 3471. metabolism, production, butyric acid, acetic acid, Clostridium acetobutylicum 5113. 4162

4162

4162

methodology, enterovirus detection, serum, man 5010.
methodology, francisella tularensis immunoglobulins detection, man 2468.
methodology, grapevine tanleaf virus detection, Xiphinema index vectors 3255.
methodology, hemorrhagic entertist virus antibodies detection, chickens 9281.
methodology, hepatilis 8 oce antigen immunoglobulin M man 6738.
methodology, immunoglobulin M detection, rubella virus specificity 8446.
methodology, immunoglobulin M detection, Treponoma phagedenis flagella, syphilis, rabbits 765.
methodology, mumps, seroepidemiology standardization, man 7567.
methodology, Mycobacterium paratuberculosis protoplasm peptides, paratuberculosis cilagnosis, catile 4185.
methodology, plant viruses binding 8440.
methodology, plant viruses binding 8440.
methodology, respiratory syncytial virus antibodies, comparison, complement fixation, neutralization 5008. metabolism, production, butyric acid, acetic acid, Clostindium acetobutylicum 5113.

methanol oxidation, biosynthesis, Hansenula polymorpha 929.
microorganisms, digestion (anaerobic), digestion (aerobic), waste treatment, industrial wastes 547.
microorganisms, drilling fluids, viscosity, oil and gas industry, wastewater treatment, biodegradation, oil spills, marine environment 180.
microorganisms, industries, books 839.
microorganisms, mash fermentation, breweries 163.
microorganisms, oils extraction, oilseed crops 54.
microorganisms, production color compounds, flavor compounds, food industry 20 4-nitrophenol hydrolysis, Nocardia 7683.
volidation, polyethylene glycot, bacteria 7678.
penicillin acytase like, kinetics, thermodynamics, bacteria 4315.
pesticides biodegradation, microorganisms, reviews 1019.
pharmaceuticals production, fungi, bacteria 8551.
polyyarcharides hydrolysis, characterization, bacteria 7763.
polyyinyl alcohol oxidation, purification, characterization, Pseudomonas cell membranes 1742.
preparation, purification, immobilization, stabilization, books 3375.
production. Aspergilius restrictus, association, water activity, detection, preparations efficacy, mirin biosynthesis, alcohol concentration relationship 992
production, Aspergillus restrictus, association, water activity, detection, seeds, contamination 1166
production, association, genetic engineering, microorganisms 4137.
production, microorganisms, genetic engineering 7730.
production, microorganisms, reviews 2627, production, microorganisms, reviews 2627, production, Trichoderms reesel, carbon sources, media (culture) 1803.
proteins, separation, filtration, reviews, microorganisms 8586.
protoplasts, lignin biodegradation, Pomes annosus 8673.
purification, characterization, methodology, reviews 4306.
ratio, immobilized enzymes 4335.
regulatory mechanisms, bacteria, industrial applications 851.
role, Aspergillus tumigatus biodegradation, Saccharum officinale bagasse 186.
Ruminococcus albus, solubilization, cell walls, Medicago sativa 5117.
separation techniques, downstream processing 1600.
Staphylococcus aureus, Staphylococcus epidermidis, culinical isolates, purification, characterization, role, arhibiotic resistance 5165.
Stereum frustulosum, biodegradation, wood, lignin 1022.
thermal stability, genetic engineering, food industry, thermophilic microorganisms 3495.
thermal stability, demobilized cells, Caldariella acidophila, ultrafiltration Thiobacillus, isolation, characterization, in, microorganisms 44.
trypsin like, characterization, immobilization, Streptomycos 7889.
use assays, clinical microbiology, microorganisms 44.
trypsin like, characterization, immobilization, Streptomycos 7889.
use assays, clinical microbiology, microorganisms 2917.
Ephestia cautella. Eperus falcata,
leaves, decomposition, soil microorganisms 2917.

Ephestia cautella,
biological control, Bacillus thuringiensis 4386.

Epi-chiamydocin,
synthesis 1838.

8-Epi-thilenamycin,
structure, Streptomyes cattleya 1427.

Epichloe typhina,
infection, Festuca arundinacea, fungicides use treatment 8119.
infection, Festuca arundinacea, incidence, disease transmission, USA, Kentucky
7979. Vibrio Charles .

Enzymea, activity, catabolism, bacteria, reviews 7821, applications, biotechnology, industries, books, microorganisms 3373, bacteria, dimethyl 3-benzyloxycarbonylaminoglutaric acid hydrolysis, stereoselectivity, production, precursors, carbapenems, negamycin 2308, bioassays, polysaccharides, bacteria 3528.

sampling methodology, enzyme-linked immunosorbent assay use, Festuca arundina

Epichice typhine, (continued) 796 796.
Epleocc um purpurescens,
canker, Rubus, USA, Ohio 8846.
Epleoccum nigrum,
biodegradation, Alnus leaves, aquatic environment 184.
Epleotyl rot.
canicol of the desage resistance, Pisum sativum 6287. protogradation, Alfus leaves, aquatic environment 184.
Epicotyl rot, disease resistance, Pisum sativum 6287.
Epidemic hemorrhagic fever virus,
propagation, cell culture, rats, Apodemus agrarius 7564.
Epidemdrum ibagnense,
endomycorrhizas, acid phosphatase activity 8199.
Epidermic,
cell culture, nuclear polyhedrosis virus replication, inoculum production,
biological control, Lepidopters 3249.
Epidermophyton floccosum,
antifungal activity, mangostin, derivatives, isolation, Garcinia mangostana 4783.
Epideryor kinase, purification, characterization, molecular weight 5987.
Epidetyot E,
Dictyota dichotoma, characterization, antimicrobial activity 3068.
Epithenamycin,
synthesis 7466.
Epizotic hemorrhagic disease virus,
antigens preparation methodology, use, gel diffusion 3240.
Epoxidation,
microorganisms 7653. Epoxidation, microorganisms 7653.
 Epoxyenone, macrolide antibiotics, chemical modification, deepoxidation 5788, macrolide antibiotics, deepoxidation, products, antibacterial activity 5789. macrolide antibiotics, deepoxidation, products, antibacterial activity 5789. 

Epstein-Barr virus, 
antigens, antibodies, detection, enzyme-linked immunosorbent assay 6739, 
antigens, immunoprecipitation, methodology 647. 
immunoglobulin M, detection, use, enzyme immunoassay 1568. 
infection, lymphoblastoid cell lines, (E)-5-(2-bromovinyl)-2-deoxyuridine, 
antiviral activity 4027. 
Infectious mononucleosis, immunodiagnosis, heterophil antibody, enzyme-linked 
immunosorbent assay 603. 
man antibodies, immunodiagnosis, autoradiography, nasopharynx carcinoma, man 
4992. 4992.

Paul-Bunnell antibody, detection, use, horses erythrocytes sialoglycoproteins latex agglutination 1563.

replication inhibition, 9-(1,3-dihydroxy-2-propoxymethyl)guanine antiviral replacation influence, are instrumental activity Afolia, lymphocytes B, production, monoclonal antibodies, association, Plasmodium falciparum, erythrocytes, man, methodology 633.

Equine Infectious anemia virus, detection, arrigens, antibodies, enzyme-linked immunosorbent assay methodology detection, arrigens, arribadies, enzyme-linked immunosorbent assay methodology detection, artigens, artibodies, enzyme-linked immunosorbent assay metho 4162.

Premochioa ophiuroides, white rot, detritus effects on pathogenesis, fungi 8785.

Prosta-5,7-dlens-38,23-diol, Saccharomyoes cerevisiae, isolation, new records 945.

Prostarol, biosynthesis, inhibition, antifungal activity, bifonazole, clotrimazole, yeasts, dermatophyte fungi 8314.

Idevels, post-harvest decay indicators, fungal flora, corn, rice 2051, levels, post-harvest decay indicators, fungal flora, corn, rice 2051, plasma membranes, miconazole artifungal activity, Candida albicans 4757.

Polyporus versicolor, derivatives structure 1824.

Saccharomycos cerevisiae, biosynthesis, cytochrome P-450 role 944.

use, detection, Drechslera graminea, infection, Hordeum vulgare 7981.

Ergot, use, detection, Drachsiera graminea, infection, Hordeum vulgare 7981.

Ergot, discount of the control of the co Erpex lacteus, cellulase, purification, characterization 938. Invinia, antagonism, Phytophthora cactorum, herbicides effects on 2177. biodegradation, pulp mills, effluents 1467. biodegradation, pulp mills, effluents 1467. biodegradation, pulp mills, effluents 1467. etiology, Populus canker, Canada 2114. plant diseases, diagnosis 3780. aoft rot, post-harvest decay, antagonism, Pseudomonas putida, biological control, Solanum tuberosum 8112. soft rot, transmission (seed), Solanum tuberosum 8870. Solanum tuberosum, phytopathogenic fungi, Erwinia, rhizosphere, Pseudomonas siderophores antagonism 2830. revinia ambuoya. siderophores antagonism 2830.

Erwinia amylovore.

Erwinia amylovore.

Erwinia amylovore.

Erwinia amylovore.

Erwinia mylovore.

Erwinia mylovore.

Erwinia mylovore.

Erwinia mylovore.

Erwinia mylovore.

Erwinia polymers.

Erwinia polymers

Erwinia carotovora, amidase, isolation, characterization 1756; blackleg, Solanum tuberosum tubers, disease control, heat treatments 1195. enzymes, Solanum tuberosum tubers, disease control, heat treatments 1195. enzymes, Solanum tubers, disease, characterization 5133. infection, tubers, Solanum tuberosum 8031. pectinolytic enzymes, retting, bark, Broussonetia kazinoki 7680. Populus canker etiology, Canada 2114. soft rot, plants, characterization 3775. soft rot, Solanum tuberosum, tubers, comparison, stems, Chile 2015. stalk rot, Heliarithus annuus, susceptibility association age, USA, North Dakota 2820. Erwinia carotovora subsp.atroseptica, invinia carotovora subsp.atroseptica, blackleg, isosase resistance screening projects, solanum tuberosum 5483. blackleg, Solanum tuberosum 2027. blackleg, Solanum tuberosum, disease resistance 2025. blackleg, Solanum tuberosum, disease resistance 2025. blackleg, Solanum tuberosum, effects on, growth, yield 2026. blackleg, synergism, Verticillium dahliae wilt, subsp.atroseptica, Solanum tuberosum 7191. detection, enzyme immunoassay 8464. experimental infection, Solanum tuberosum, injection systems 4495. soft rot, disease resistance, plant breeding, germplasm, Solanum tuberosum 7210. soft rot disease resistance, Solanum tuberosum 4581. soft rot, soli moisture, soil temperature, tubers, Solanum tuberosum 2818. rivinia carotovora subsp.carotovora, blackleg, synergism, Verticillium dahliae wilt, subsp.atroseptica, Solanum soft rot, soil motisture, soil temperature, tubers, Solanum tuberosum 2818.

Erwinia carotovora subsp.carotovora, blackleg, synergism, Verticillium dahliae wilt, subsp.atroseptica, Solanum tuberosum 7191. 
isolation, pathogenicity, Cyclamen persicum soft rot 3843. 
relationship, Verticillium dahliae, infection, pathology, Solanum tuberosum 4533. 
soft rot, disease resistance, Solanum tuberosum, Solanum tuberosum 7210. 
soft rot, Solanum tuberosum, pathogenesis 4562. 
virulence, pathogenesis, Solanum tuberosum, stems 2817. 
Erwinia chrysanthemi, host-pathogen interactions, Zea mays, disease resistance 3880. 
rot, Dieffenbachia maculata 5447. 
Erwinia herbicola, biodeterioration, leather, museums, Kuwaut 1024. 
detection, media (culture), feces, man 1659. 
ice nucleation activity, Citrus sinensis, Citrus aurantium 2805. 
nitrogen-fixing becteria, Saccharum 5652. 
plant diseases, diagnosis, characterization 3776. 
Populus canker etiology, Canada 2114. 
Erwinia rubrifaciens, 
Karacterization, propagules, Salix alba 363. 
Frynia anustica. Erwinia salicia,
Watermark disease, disease transmission, propagules, Salix alba 363.

Erynia aquatica,
pathogens, pathogenicity, use biological control, Aedes cantator 2665.

Erynia necaphidia,
biological control, pathogenicity, field trials, Aphididae 5230.
biological control, pathogenicity, field trials, Sinophilus avenae, Metopolophium
dirhodum 5229.
biological control, pathogenicity, Aphididae, 5231. dirhodum 5229.

Grant State St powdery mildew, epidemiology, spectrophotometry 7917.

Erysiphe, Erysipne, powdery mildew, biological control, hyperparasitism, Dissoconium aciculare 8911. 
Erysiphe clchoracearum, plant diseases, Helianthus tuberosus, effects on yield 5457. 
powdery mildew, Cucumis sativa, Czechoslovakia 3836. 
powdery mildew, Cucumis sativa, Czechoslovakia 3836. 
powdery mildew, Gurcurbtagen interactions, disease resistance, inheritance, 
plant breeding, Curcurbta moschata 3862. 
powdery mildew, inhibition, Nicotiana glutinosa diterpenes, foliar applications, 
Nicotiana tabacum 2076. Neconaria izuezuni 2070.

Erysiphe graminis,
Indiewi, Lactuce sativa 1159.

Erysiphe graminis,
Indection, Hordeum vulgare, disease resistance, genetic control 2067.
manozeb - ouzate antifungual activity 2085.
powdery mid vulgare 316. vulgare 316.
powdary mildew, Hordeum, disease resistance 5501.
powdary mildew, Hordeum vulgare, disease control, use, antitranspirants 291.
powdery mildew, incidence, cultivars mixed culture, Hordeum vulgare 2841.
powdery mildew, incidence, effects on, yield, Triticum aestivum, Bulgaria 7959.
powdery mildew, Athogenicity genes, host-pathogen interactions, disease
resistance genes, Hordeum vulgare 2861.
powdery mildew, Triticum aestivum, disease resistance plant breeding correlation
triadimefon disease control 5502.
Erysiphe graminis 1.sp.avense,
powdery mildew, disease resistance breeding, Avena sativa 307.
Erysiphe graminis 1.sp.hordel,
avirulent, incoulation, induction disease resistance, Hordeum vulgare 3882.
avirulent strains, inoculation, disease control, powdery mildew, Hordeum vulgare
2066. 200b.

crop residues, Hordeum vulgare, Medicago sativa, smoke, antifungal activity 8319. infection, Hordeum vulgare leaves, polyribosomes translation activity 251. plant diseases, host-pathogen interactions, relative humidity effects on 1962. powdery mildew colonies enumeration, Hordeum vulgare 1129. powdery mildew disease resistance, correlation enzyme polymorphism, plant breeding, Hordeum spontaneum 7209. powdery mildew, disease resistance, plant breeding, Denmark, Hordeum vulgare 2990. powdery mildew, disease resistance, plant breeding, germplasm, Hordeum spontaneum powdery mildew, genotypes, virulence, host-pathogen interactions, Hordeum vulgare 8791

Dowdery mildew, germ tubes, appressoria, penetration, host-pathogen interactions, Hordeum vulgare 8788. Powdery mildew, Hordeum vulgare, disease resistance, genetic analysis, plant breeding association 8081. Erysiphe graminis f.ap.hordel, (continued)
powdery mildew, Hordeum vulgare, factors affecting conidia production 7957.
powdery mildew, Hordeum vulgare, factors affecting epidemiology 5422.
powdery mildew, incompatibility, Hordeum vulgare, carbon dioxide exchange 1130.
powdery mildew, inhibition ribulosebisphosphate carboxylase, carbon fixation enzymes, activity, Hordeum vulgare 5434.

Erysiphe graminia f.ap.triticl,
disease resistance, Triticum 1197.
powdery mildew, disease resistance, Iriticum dicoccoides 5415.
powdery mildew, Escherichia coli, (continued)
antibacterial activity, apalcillin 4840.
antibacterial activity, ciprofloxacin 4744.
antibacterial activity, cyanocycline A, inhibition nucleic acids biosynthesis 1430.
antibacterial activity, hydroxycinnamic acids 5728.
antibacterial activity, hydroxycinnamic acids 5728.
antibacterial activity, hydroxycinnamic acids 5728.
antibacterial activity, iponosmes, containing, streptomycin, chloramphenicol, infected macrophages 513.
antibacterial activity, p-hydrobenzoic acid esters 1330.
antibacterial activity, p-hydrobenzoic acid esters 1330.
antibacterial activity, penicillinase inhibition, effects on, association, Chlorophyla, Rhodophyta, marine environment 8305.
antibacterial activity, potymyxin B, temperature dependence 9198.
antibacterial activity, structure-activity relationships, analogs, 1-oxacephem, 1-thiacephem 4824.
antibacterial activity is privature-activity relationships, analogs, 1-oxacephem, 1-thiacephem 4824. 1/30 cultivars 245. powdery mildew, pathology, Lens culinaris, insecticides, acaricides, antifungal activity 8917. antibacterial activity synergism, p-hydroxybenzoic acid+hexametaphosphate esters 3054. Erysiphe polygoni, infection, Pisum sativum, disease control 8107. powdery mildew, Pisum sativum disease resistance 1978. Erythrine sigmoides, flavanores antibacterial agents, isolation, new records 1328. 3004-4. antibacterial activity, synthetic sisamine, analogs 5787. antibacterial activity, WIN 49375 9091. antibacterial activity, 3-acylamino-3-methoxy-2-azetidinone-1-sulfonic acid derivatives 1438. antibacterial activity, 3-acylamino-3-methoxy-2-azetidinone-1-sulfonic acid denvatives 1438.

antibiotic resistance 6409.

antibiotic resistance 6409.

antibiotic resistance, pl-actamase, hydrolysis, antibacterial activity, (D,L)-7-(a-filuoroacylamino)cephalosporanic acids 9190.

antibiotic resistance, correlation, kanamycin 6\*-acetyltransferase activity, antibiotic resistance, correlation, kanamycin 6\*-acetyltransferase activity, aminoglyosoide antibiotics chemical modification 5714.

antibiotic resistance, feces isolates, sheep 7321.

antibiotic resistance, feces isolates, sheep 7321.

antibiotic resistance, screeniig 7315.

antibiotic resistance, screeniig 7315.

antibiotic esistance, screeniig 7315.

antibiotic sensitivity testing, animal isolates 7410.

antibiotic sensitivity testing, animal isolates, pigs 6500.

antibiotic sensitivity testing, animal siolates, pigls 6500.

antibiotic sensitivity testing, acidical siolates, collabacillosis, sheep 5756.

antibiotic sensitivity testing, acidical siolates, collabacillosis, sheep 5756.

antibiotic sensitivity testing, acidical siolates, collabacillosis, sheep 5756.

antibiotic sensitivity testing, acidical siolates, collabacillosis (activity desting, medicilian, exploration), activity antibiotic sentibacterial activity, determination, counting methods 2239.

antipotic syrregiem, sicomicin, + mezionoliin, + aziocilin 2271.

antibiotics antibacterial activity determination, counting methods 2239.

antimicrobial activity, antimicrobial agents, tissue culture, Peganum harmala 8336. Erythrocytes, adsorption, structural proteins analysis, influenza virus, parainfluenza virus assorption, structural proteins analysis, innucliza virus, paramitueliza virus 5887.

Cytomegalovirus binding, use, passive hemagglutination, methodology 643. glutaraldehyde fixation, hemagglutination, adenovirus (human) 2440. horses, sialoglycoproteins, use, latex agglutination, Epstein-Barr virus Paul-Bunnell antibody detection 1683. monoclonal antibodies association, production, Epstein-Barr virus transformed cells, lymphocytes B, man, methodology 633.

Erythromycin, antibacterial activity, clinical isolates, Streptococcus pneumoniae 9153. antibacterial activity, clinical isolates, Streptococcus pneumoniae 9153. antibiotic resistance, Campylobacter fetus subsp. jejuni 446. antibiotic resistance, Campylobacter fetus subsp. jejuni 446. antibiotic resistance, Gampylobacter fetus subsp. jejuni deficiency, Streptococcus progenes 6426. antibiotic resistance, Staphylococcus aureus, relationship protein A biosynthesis 9054. 5887 antibiotic resistance, Staphylococcus aureus, reviews 9055.
antibiotic sensitivity testing, antibiotic resistance resistance, Staphylococcus aureus 7424. antibiotic sensitivity testing, Branhamella catarrhalis 9087.
antibiotic sensitivity testing, Branhamella catarrhalis 9163.
antibiotic sensitivity testing, dilution tests, Mycoplasma, animal isolates, ambiotic sensitivity testing, dilution tests, Mycoplasma, animal isolates, chickens 3087, antibiotic sensitivity testing, Neisseria gonorrhoeae 4804. 
bactericidal activity, Legionella pneumophila, characterization 7451. 
+ benomyl+streptomycin, seed treatments, stimulation, Bradyrhizobium japonicum, rhizosphere colonization, Glycine max 9017. 
biosynthesis, role, methylmalonyl-CoA mutase, purification, characterization, Streptomyces enythraeus 2617. 
biosynthesis, Streptomyces erythreus, incorporation, carbon, oxygen 7452. 
Clostridium perfringens drug sensitivity testing 3085. 
comparison, 4\*-deoxy-4\*-sulfonamido-oleandomycin, derivatives, antibacterial activity, Staphylococcus aureus 3121. 
derivatives biosynthesis, Streptomyces erythraeus mutants 1402. 
fungi biosynthesis 2254. 
production, fermentation, lipids monitoring, optimization, Streptomyces erythaeus 6546. 836. antimicrobial activity, atranorine 4781. antimicrobial agents antibiacterial activity, urine specimens 3048. antimicrobial agents antibiacterial activity, surfactants effects on 9261. arranycin resistance mechanisms 5719. asparaginase, amino acid composition, N-terminus, amino acid sequence 4322. asparaginase, immobilized enzymes, blood immobilization, bioreactors 2575. asparatate animotral-rase amino acid sequence, comparison, pigs 6843. asparatate ammonia-lyase, acetylation activation 1788. asparatate carbamoyltransferase, spectrophotometry assays 937. association, Hyalelia acteca, methodology, characterization, drinking water, disinfection 6712. disinfection 6712.

5-azacytidine, stability, antibacterial activity 7360.
bacteriostasis, catecholamide, iron chelating agents 448.
bacteriuria isolates, identification methodology, drug sensitivity testing 2464.
bacteriuria isolates, identification methodology, drug sensitivity testing 2464.
batch culture, fluorescence, measuring techniques, growth rate 8475.
batch culture, glucose feeding, electrodes monitoring 676.
bioassays, sorum levels, tobramycin, netlimicin 4966.
bioassays, sorum levels, tobramycin, netlimicin 4966.
bioassays, soril, hydroxamic acid siderophores incidence 675.
biodegradation, resistance, heavy metals pollution 3680.
biomass formation, bioreactors, mathematical models, energetics 588.
biomass formation, bioreactors, mathematical models, energetics 588.
biosynthesis, tryptophan synthase, β-D-galactosidase, D-serine dehydratase cathagepems, antibarterial activity. 6546. stimulation IMP biosynthesis, Brevibacterium ammoniagenes 115 stimulation IMP biosynthesis, Brevibacterium ammoniagenes 952 Streptococcus pyogenes resistance 6402. Streptococcus pyogenes resistance, clinical isolates 5722. Erythromycin A, high-performance liquid chromatography, fermentation, Streptomyces eythraeus 3111. biosynthesis, tryptophan synthase, β-D-galactosidase, D-serfine dehydratase 3504 carbapenems, antibacterial activity, structure-activity relationships 7461. carbapenems, antibacterial activity, structure-activity relationships 7461. carbapenems, antibacterial activity 2220. carbalosim pathway, evolution, enzymes activity, 2220. catabolism pathway, evolution, enzymes activity, reviews 7821. catalase, purification, characterization 8552. cell division condition, characterization 8552. cellazidime antibacterial activity, agar diffusion test 2259. cell division conditional mutant, mecilinam effects on 3102. cells growth, mathematical models 1597. cephalothin antibiotic sensitivity testing, quality control 4828. chemostats, ribitol dehydrogenese, ribitol nutrient deficiency 3444. chloramines disinfection, pH effects on 9246. chloramphenicol aceyttranseferase, association, antibiotic resistance, correlation R factors 1313. clinical isolates, antibiotic resistance, graphenicol solates, artibiotic resistance, graphicular solates, artibiotic resistance, antibiotic sensitivity testing 5758. clinical isolates, artibiotic resistance, antibiotic sensitivity testing 5758. clinical isolates, artibiotic resistance, antibiotic sensitivity testing 5758. clinical isolates, artibiotic resistance, antibiotic sensitivity characterization, man 2226. Enthromycin B, high-performance liquid chromatography, fermentation, Streptomyces eythraeus 3111. Erythrosine, dyes, dentistry, antimicrobial activity, gram-negative bacteria, gram-positive bacteria, dental plaque isolates 7553. Escherichia, en amarina praque isolates 7555.

Escherichia, indicator species, population levels, water temperature, rivers, estuaries 4131.

Escherichia coll, accumulation, eliminaton, Mercenaria mercenaria, characterization 5314. accontinuation, eminimator, were character in contenting, characterization 5014.
acetoliactate synthase, purification, physicochemical properties 1795.
6-acetylmethylenepenicillanic acid, antibiacterial activity, association, stability 1399.
acyt carrier protein, secondary structure, tertiary structure, nuclear Overhauser effect 1. acyl carrier protein, secondary structure, tertiary structure, nuclear Overhauser effect 1.

acyl-CoA dehydrogenase (NADP<sup>+</sup>), purification, characterization, electrophoresis 7697.

adenosine dearninase, 2,6-diamino-9-(2-hydroxyethoxymethylipurine conversion, 9-(2-hydroxyethoxymethylipuanine production 902.

ADP-ribosyl transferase, nucleotide sequence, amino acid sequence, biosynthesis, comparison, Vibrio cholerae 7120.

adsorption, lauryl pyridinium iodide, bacteriostasis 2218.

atribome microorganisms analysis, trains bathrooms 579.

alcohol dehydrogenase, association ethanol utilization 5972.

alkaline phosphatase binding sites, NMR, crystallography 2587.

alkaline phosphatase, kinetics, computer programs use 2624.

D-amino adjos, inhibition, Pi-lectam antibiotics antibacterial activity 9064.

aminoglycoside artibiotics, antibiotic resistance 3028.

ampicillin resistance, ampicillin-colietir interaction 5772.

amprollum, effects, plasmid pKM101, artibiotic resistance 7324.

ampicalisation ethanol pKM101, artibiotic resistance 7324.

antibiacterial activity, ampicillin-collevial acid-cophalaxin antibiotic synergism 1390.

antibacterial activity, ampicillin-subactam 4843.

antibacterial activity, ampicillin-subactam 4843.

antibacterial activity, ampicillin-subactam 4843.

antibacterial activity, antibiotic B-371, structure-activity relationships 8338. cloning, Lactobacillus delbrueckii, malic acid, lactic acid, genes, role, wine, fermentation 2681. cloning vectors, vaccines production, capsid protein expression, poliovirus 1 6605. 6605
colicin B structure 3129.
colicin E9, colicin E9, isolation, characterization 3159.
colicin E8, colicin E9, isolation, characterization 3159.
colicin M, antibacterial activity, inhibition nurieni biosyntheses 7456.
coliforms indicator species, identification, incidence, water temperature relationship, lakes 557.
colonization factors antigens, hemagglutination, clinical microbiology 701.
concentrations, reservoirs, British Isles, models analysis 2401.
contamination, phage T40 hysis prevention, petroleum recovery, rocks 3986.
contamination, poultry carcasses, meat industry 1051.
contamination, poultry meat products 1049.

```
echerichia coli, (continued)
seherichia coli, (continued)
contamination, rehydration solutions, characterization 4967.
contamination, rehydration solutions, characterization 4967.
continuous culture, asynchronous cell division, mathematical models 9294.
continuous culture, monitoring, the emochyaminics, calorimetry 6060.
coupling factor 1, mutation effects on activity 696.
coupling factor 1 subunits voidative phosphorylation, characterization,
comparison, Salmonella typhimetry, use monoclonal antibodies,
immunoelectron microscopy 3479.
cross-resistance, cinoxacin, ciproffoxacin, antibiotic DJ-6783, enoxacin,
nalidixic acid, norfloxacin, oxolinic acid 6421.
cystathionine y-lyase, purification, methodology, characterization, reviews
4006.
Agostrome d oxidation, sodium nitrate effects on, U.V. spectroscopy 2565. 
cytochrome d, redox potential, spectroscopy 4273. 
cytotoxins, purification, characterization 3753. 
cytotoxins, purification, characterization 3753. 
cytotoxins, purification, characterization 2622. 
detection, ibod, bicassays 7644. 
detection, ibod, bicassays 7644. 
detection, ibod, bicassays 7644. 
3,4-dichloroaniline biodegradation, nitrate reduction 6161. 
dihydrolipoamide dehydrogenase, amino acid sequence homology, glutathione reductase (NAD(P)+I), evolution, erythrocytes, man 6004. 
dihydrolipoamide dehydrogenase, 2-oxisovalerate dehydrogenase, subunits, amino acid composition, companison Pseudomonas putida 6831. 
diluents effects on viability 5073. 
DNA biosynthesis initiation, aminoglycoside antibiotics inhibition, mechanisms 7468.
disc-direction test, use, Mueller-Hinton agar 3077.

DNA biosynthesis initiation, aminoglycoside antibiotics inhibition, mechanisms 7468.

DNA gyrase inhibition DNA supercoiling, nalidixic acid antibiotics reaction mechanisms 650.

DNA gyrase inhibition DNA supercoiling, nalidixic acid antibiotics reaction mechanisms 650.

DNA-princing protein purfication, metronidazole 2312.

DNA-binding protein multiple forms, N.M.R. 2562.

DNA-binding protein purfication, characterization 7673.

drug resistance, hydrogeny, colicins production, hemolysins production 4706.

drug resistance, nitrofurantion, R factors, nitrofuran reductase 3029.

drug resistance paterns, R factors incidence 3039.

drug resistance paterns, R factors incidence 3039.

drug resistance paterns, Incidence, animals isolates, clinical isolates 3021.

drug resistance, northoxacin, incidence, animals isolates, clinical isolates 3021.

drug resistance, and sectors, incidence, animals isolates, clinical isolates 3021.

drug resistance, and sectors, incidence, animals isolates, clinical isolates 3021.

drug resistance, and sectors, incidence, animals isolates, clinical isolates 3021.

drug resistance, and sectors, incidence, animals isolates, clinical isolates 3021.

drug resistance, and sectors, animals isolates, clinical isolates 3021.

drug resistance, and sectors, animals isolates, clinical isolates 3021.

drug resistance, animals, anim
```

treatments 227.
media (selective) 9300.
membrane filtration, recovery 9285.
membrane filtration, recovery 9285.
membrane filtration, separation techniques, homogenates, methodology 8473.
membrane permeability mutants, gene mapping, relationship susceptibility,
antibiotics, antibacterial activity 4794.
metals resistance, methodology, drug sensitivity testing 3017.
methionine adenosyltransferase, adenosylmethionine decarboxylase, purification, antibiotics, antibacterial activity 4794.
metals resistance, methodology, drug sensitivity testing 3017.
methionine adenosyttransferase, adenosylmethionine decarboxylase, purification, characterization, reviews 9569.
methionyt-IRNA synthetase, amino acid sequence homology, tyrosyl-IRNA synthetase, Bacillus stearothermophilus 2621.
metronidazole, antibacterial activity, DNA damage 6449.
metronidazole, insonidazole, reduction effects on cytotoxicity 6451.
minicells, use cDNA gene expression analysis 757.
mixed culture, Bacteriotides, antibacterial activity, aztreonam, cefotaxime 9182.
mixed culture, methanogenic bacteria, immobilized cells, methanogenesis, sucrose conversion 2182.
mutagenicity testing, genotoxicity testing 9306.
mutagenicity testing, genotoxicity testing 9306.
mutagenicity testing, ole arginine, NAD, valine genes 6775.
mutants, membrane potential, protons, ATP stoichiometry, N.M.R. 8531.
mutants, membrane potential, protons, ATP stoichiometry, N.M.R. 8531.
metilmicin sensitivity 6401.
mitrate reductase, molybdenum sites 8554.
nitrofuran, derivatives, antibacterial activity 9092.
mitragen containing aromatic compounds, biodegradation 1005.
nocardicin A, effects on, morphology, scanning electron microscopy 9216.
nordioxacin disc-cilifusion test, bacteria, standardization 3047.
norfloxacin drug sensitivity testing 9095.
nucleosidediphosphate kinase, purification, quaternary structure, mechanism 7700.
ornithine decarboxylase inhibitor, purification, quaternary structure, mechanism 7700.
ornithine decarboxylase inhibitor, purification, characterization 2588.
outer membranes, antibacterial activity, polymyxin B derivatives, complement bacteriidal activity 5784.
outer membranes, globomycin effects on, resistant mutant formation 6556.

estuaries, phenotypes, genotypes, nitrobenzene, m-cresol, dibutyl phthalate, effects on 4961.

ethanolamine ammonia-lysae, isocitrate lysae, aldehyde dehydrogenase, induction, purification, characterization 4280.

exodeoxyribonuclease III, use site-directed mutagenesis methodology 738.

expression, interferon, antiviral activity, herpes simplex virus 1 4028.

R factor R124, effects on membrane permeability, outer membranes, membrane proteins, arribacterial agents sensitivity 4724.

R factor R773, homology, R factor R46, arsenic acid, resistance 3026.
R factors, drugs sensitivity 5718.
R factors, drugs sensitivity 5718.
R factors, drugs sensitivity 5718.
R factors trategocine antibiotic resistance, eleationship, antibiotics treatment, diarrhea, man 3034.
R factors trategocine antibiotic resistance 2206.
R factors trategocine antibiotic resistance arribiotic resistance, eleationship, antibiotics resistance, coli, clinical isolates, neonates 9043.

fatty-acid synthetase, amino acid sequence 900.
food contamination, seafood, Pisces 8712.
fuel cells, electron transfer, redox potential mediators 5243.
fumarate hydratase, activity, L-malic acid production 6877.
galactose-binding protein, maltose-binding protein, ligands binding 1726.
B-D-galactosidase biosynthesis, biomass concentration effects on 6028.
B-D-galactosidase insynthesis, biomass concentration effects on 6028.
B-D-galactosidase insynthesi

gentamicin, antibacterial activity, urine, pH, osmotic potential effects on 3108 gentamicin, antibiotic sensitivity testing, quality control, mathematical models

pertamicin bacteriostasis, bone fatty acids, synergism, antagonism 4052, gucosaminephosphate isomerase, purification, characterization 6841, gucose fermentation, effects on cloacin excretion 2688.

B-D-glucronidase, assays, gas chromatography 3762, gutathione synthetase, purification, characterization 6849, gycosaminephosphate isomerase (glutamine-forming) activity, anticapsin inactivation 6043.

growth, glucose nutrient deficiency, mathematical models, computer applications 4173.

+1/3. growth, measuring techniques, electrical impedance 681. growth, temperature effects on, hot-boning, beef 6959. growth, toxins production, sodium chloride effects on 8760. habekacin, antibacterial activity, inhibition protein biosynthesis, outer membranes damage 521.

Escherichia coli, (continued) heat treatments, p-hydroxybenzoic acid antibacterial activity 1332, heat treatments, p-hydroxybenzoic acid esters antibacterial activity, magnesium effects on 3055. hemolysis, artibiotic resistance, isolation, mice 7316. homology, Haemophilus parainfluenzae, transposon 10, association, tetracycline, artibiotic resistance 9073. host systems, Cellulomonas fimi cellulase genes, transformation, gene expression 6018.

hydrogen peroxide antibacterial activity mechanisms 4007. 4-hydroxy-2-oxoglutarate aldolase, phosphoric acid inactivation, dimerization 1789.

1789. hypothiozyanite+hydrogen peroxide, bactericidal activity, cytotoxicity 6445. identification, enterotoxins production association, hypordization analysis 1334. identification, indule test, cost-benefit analysis 6787. Identification methodology, enterotoxins production association 1088. immobilization use, penicillin amidase, polymers substrates 778. immobilized cells, penicillin acylase activity 71. immobilized cells, penicillin acylase activity 71. immobilized cells, protein biosynthesis bioreactors 2. immobilized cells, rytotophan polymerization, antibodies adsorption 5896. immobilized cells, tryptophan synthase, L-tryptophan production 6. immobilized cells, 7-aminocesacetoxy-cephalosporfnic acid production 506. in vitro antibiotic sensitivity testing, nosocomial environment clinical isolates 6502.

In utro ambinotic sensitivity testing, nosocomial environment clinical isolates 6502.

Inactivation, disinfection, hydrostatic pressure, temperature effects on 5866. Inactivation, sunlight, sea water 2402.

Incidence, identification, milit, milit products 8708.

Incidence, identification, milit, milit products 8708.

Incidence, identification, milit, milit products 8708.

Incidence identification, milit, milit products 7357.

Indicator special season in the s

β-lactamase, carbapenems, derivatives, inactivation 4862. β-lactamase, interaction oxylmino-cephalosporins, structure-activity relationships 6832.

lipid A fractions, enzyme-linked immunosorbent assay, thin-layer chromatography

lipopolysaccharides characterization, electrophoresis, immunoassays 6058, lipopolysaccharides, Limulus lysate test, pyrogens tests, association heat treatments 227.

outer memoranes, anitoacceria activity, polymynin B derivatives, complement bactericidal activity 5784.

outer membranes, globomycin effects on, resistant mutant formation 6556. 
oxoglutarate dehydrogenase (lipoamide) + dihydrolipoamide 
succinyltransferase + dihydrolipoamide dehydrogenase multienzyme complexes, 
mechanisms, kinetics 7699.

oxoglutarate dehydrogenase (lipoamide) + dihydrolipoamide 
succinyltransferase + dihydrolipoamide dehydrogenase multienzyme complexes, 
thioctic acid localization, electron microscopy 7702. 
pathogens, public health, sewage sludge, land disposal 2367. 
pathogens reduction, solar radiation, irrigation water 9249. 
penicillin maidase extraction methodology 893, 
penicillin-binding protein, binding, aminobenzyl-penicillin apalcillin, 
characterization 7432. 
penicillim-binding protein, electrophoresis 3441. 
penicillim-amidase purtactication, characterization, immobilization 3512. 
pepitides analoges artibacterial activity, uptake 2210. 
pepitides analoges artibacterial activity, uptake 2210. 
pepitides analoges artibacterial activity, sparsomycin analogs 4740. 
peritonitis, disease control, U.V. radiation, decontamination, dialysis, man 6718.

6719.
phage 3, DNA hybrids, environmental factors mutagenicity testing 3330, phages, cryopreservation, inactivation factors 1550, phages, plaque assay, methodology, detection, water 2403, phenylalamyl-IRNA synthetase, purification, characterization, electrophoresis 5995

Subject Index Escherichia coli, (continued)
phosphoenolpyruvate carboxylase activity, phosphoenolpyruvate analogs inhibition aterase, activity, Botrytis cinerea, detection, role, fermentation, wine aroma 4410. activity, leukocytes, detection, bacteriuria 731. electrophoresis, isoelectric focusing, Yersinia enterocolitica, Yersinia pseudotuberculosis subsp. pseudotuberculosis 6856. Fusarium solani f.sp.pisi, infection, depolymerization, suberin, tubers. Solanum tuberosum 8852. 3489 nuberosum 8852. multiple forms, purification, characterization, Aspergillus niger 1784. multiple forms, thermal stability, substrate specificity, Aspergillus niger 1786. organic compounds synthesis 4385. Esterification, 50-7.

Bil proteins, subunit structure, purification, characterization, hemaggiutination 4252. Heat proteins, colorular depressus, Fagonia cretica, Lyclum barbarum, antimicrobial activity 8339. Heat extracts, Citrullus colocynthis, Corchorus depressus, Fagonia cretica, Lyclum barbarum, antimicrobial activity 8339. Heat proteins and plasmid CpN, colicin N biosynthesis, genetic analysis 4802. plasmid pEAP2, gene expression, Bacillus β-lactamase 894. Heatend plasmid pMG1 10 elimination, novobiocin role 5797. Plasmid pMG1 10 elimination, novobiocin role 5797. Plasmids, DNA, purification methodology 4194. Plasmids, DNA, purification methodology 4194. Plasmids, DNA purification methodology 7598. Plasmids, DNA purification methodology 7598. Plasmids, gene expression, colonization factors, enterotoxins production 1935. Plasmids, gene mapping, aminocyclitol phosphotransferase, antibiotic resistance, hygromycin 8 427. fats, triacylglycerol lipase immobilized enzymes, Rhizopus delemar 67. plasmids, pere expression, colonization factors, enterotoxins production 1935. 
plasmids, gene expression, colonization factors, enterotoxins production 1935. 
plasmids, gene mapping, aminocyclitol phosphotransferase, antibiotic resistance, 
hygrorycin B 4 programs, and production factors, production 1935. 
plasmids, R factors, antibiotic resistance, relationship antibiotics, feeds 4003. 
polyacylamide immobilization, effects on morphology, DNA bioting protein 2655. 
polymyrin B, sensitization, valinomycin, antibiotic A23187, antibacterial 
activity 7463. 
polyarides biosynthesis regulation, rote, histone P28, DNA-binding protein 2655. 
polymyrin B, sensitization, valinomycin, antibiotic A23187, antibacterial 
activity 7463. 
polyribonucleotide nucleotidyltransferase activity, measuring techniques, 
thin-layer chromatography 1599. 
proline production 3408. 
proteins production optimization, genetic engineering 3423. 
Pseudomonas dacunhea, ammonium fumarate conversion, L-alanine 7. 
pyruvate dehydrogenase (lipoamide) dihydrolipoamide acetyltransferase 
dihydrolipoamide dehydrogenase complex activity, histidine residues role, 
p-{(bromoscetyl)-amino phenyl arsenoxide inhibition 3522. 
[pyruvate dehydrogenase (lipoamide) kinase active stes activity, 
bromopyruvic acti inhibition 2623. 

radioimmunoassay, delection, enteroxins, production 3272. 
resistance, chlorine, disinfection 9041. 
resovery, landibactorial activity, polyhexamethylene biguanides 9265. 
recovery, antibactorial activity, polyhexamethylene biguanides 9265. 
resistance, chlorine, disinfection 9041. 
resistant mutant, gentamicin, neomycin, nitrofuran cross-resistance, genetic 
analysis 9065. 
ribonuclease E, purification, characterization 2569. 
ribonuclease E, purification, high-performance liquid chromatography stuaries, indicator species, population levels, water temperature 4131. chemical pollution toxicity, genetic engineering microorganisms release, role, biodegradation 3881. Escherichia coli, phenotypes, genotypes, nitrobenzene, m-cresol, dibutyl phthalate, effects on 4961 fungi, biodegradation, detergents 1037. hydrology, microbial pollution, indicator species, sewage effluents 6710. microbial pollution, todicator species, sewage effluents 6710. microbial pollution, coliforms, pollution monitoring, mathematical models 3210. oil pollution, water chemistry, population levels, hydrocarbon-degrading bacteria 6399. salinity effects on bacteria nitrification measuring techniques 3338 thambutol, analogs, antimycobacterial activity, Mycobacterium 4720. antibiotic sensitivity testing, Mycobacterium tuberculosis, radiometry 3051. drug resistance, Mycobacterium tuberculosis, clinical isolates, USA, Texas 6422. drug sensitivity testing, drug resistance, Mycobacterium tuberculosis 6443. inhibition, spermidine synthase, Mycobacterium flavescens, Mycobacterium fortulium, Pseudomonas aeruginosa 7353. inhibition, methanogenesis, immobilized cells 7304. production, microorganisms 8265.

Ethanol, bactericidal activity, gram-negative bacteria, characterization 6452. biosynthesis association, Saccharomyces uvarum var.inutyticus var.nov., identification, biological properties 159. biosynthesis, kluyveromyces marxianus, kinetics 3636. biosynthesis, screening methodology, microorganisms 4171. cellobiose conversion, use g-D-glucosidase immobilized enzymes+Zymomonas mobilis immobilized cells 18. Clostridium acetobutyficum production, mathematical models 976. contamination alcohol dehydrogenase electrophoresis, yeasts 7687. continuous culture, Candida valida, temperature, effects on, growth, association, single-cell protein, production 214. conversion, acetaldehyde production. Candida utilis 3684. conversion, acetaldehyde production, Candida utilis 3686. conversion, acetaldehyde production, Candida utilis 3698. conversion, acetaldehyde production, Candida utilis 4369. conversion, acetaldehyde production, Candida utilis 8516. effects on, temperature, relationship, Saccharomyces cerevisiae, viability 6106. effects on temperature, relationship, Saccharomyces cerevisiae, viability 6106. effects on fementation, Saccharomyces cerevisiae 5277. extraction, guident fementation, Saccharomyces cerevisiae 6938. feedback inhibition, chemostats, Saccharomyces cerevisiae 6938. feedback inhibition, chemostats, Saccharomyces cerevisiae 6938. fementation, beer, yeasts 5327. fementation, catabolite repression, corm, Saccharomyces pombe 3589. fermentation, catabolite repression, corm, Saccharomyces cerevisiae 2677. fermentation, continuous culture, reviews 6117. fermentation, corninuous culture, reviews 6117. fermentation, continuous culture, reviews 6117. fermentation, corninuous culture, reviews 6117. fermentation, corninuous culture, reviews 6117. fermentation, corninuous culture, inviews 6117 inhibition, methanogenesis, immobilized cells 7304. production, microorganisms 8265.

4258, ribosomal proteins purification, high-performance liquid chromatography methodology 7660. RNA polymerase (DNA-dependent), rifandin effects on 8358, serotyping, enterotoxins detection methodology, Vero cells 3345, serum bactericidal activity, aztreonam, ± cefoperazone, ± amikacin 8344. Shigella dysenteriae like toxins, purification, characterization 6211. sirohaem containing proteins, nitrate reductase, assays, peroxidase staining, immunodiffusion 8539.

immunodiffusion 8559.

D-sorbitol-P-phosphate dehydrogenase, mannitol-1-phosphate dehydrogenase, purification, characterization 8555. Steptomycin intracellular kiling 4849. succinyl-CoA synthetase (ADP-forming), 5-p-fluorosulfonylbenzoyl adenosine chemical modification, association ATP. ADP binding sites 1758. survival, slurries, wastewater treatment, nitrate-reducing bacteria 6700. tetrahydrofolate dehydrogenase, purification, plasmid pTp 6-10, cloning vectors, transformation 99.

thioredoxin, protein structure, tertiary structure, homology, glutaredoxin 7666. transformation, malic acid assimilation, malolactic fermentation, Leuconostoc onos 3627.

oenos 3627.

transformation, plasmids, drug resistance 7337.
transformation, yeasts cytochrome c CYC1 gene 819.
transposon y\u00e3 containing cloning vectors transposition 758.
transposon Tn10, repressors, binding, sites, genetic control, tetracycline, antibiotic resistance 1315.
transposon Tn5, mediation, streptomycin, antibiotic resistance 7336.
trimethoprim drug resistance, tetrahydrofolate dehydrogenase role 6429.
2,4,6-trinitrotlouene biodegradation 4432.
U.V. radiation disinfection, kinetics models, water 568.
urinary tract clinical isolates, drug resistance, trimethoprim, sulfamethoxazole, plasmids 2204.

plasmids 2204. uninary tract clinical isolates, identification, antibiotic sensitivity testing, methodology 3315. vaccines, production, characterization 541. wlid type, envelopes mutants, sensitivity, association, antibiotics, preservatives, cell membranes role 3080. vylose isomerase, gene expression, Saccharomyces cerevisiae promoters 5157. xylose isomerase, gene expression, Saccharomyces, ethanol, fermentation 983. 983

Essential oils.

Essential oils,
Ageratum houstonianum, toxicity, Microsporum gypseum 5505.
Ocimum basilicum, antifungal activity, in vitro 9105,
plants, effects on, yeasts, association, heat shock 3064.
Salvia officinalis, spices, antibacterial activity 8719,
spices, antifungal activity, growth, aflatoxins production, Aspergillus
parasiticus 7891.
spices, antifungal activity, yeasts 8318.
Ester hydrazides,
antimicrobial activity 9142.

2678 fermentation, cross-flow bioreactors, immobilized cells, Saccharomyces cerevisiae

3605

lementation, cross-niow bioreactors, immobilized cells, Saccharomyces cerevisiae 3605. 
fermentation, distilleries, breweries, enzymes 161. 
fermentation, energy requirements reduction 174. 
fermentation, flour stimulation. Zymomonas mobilis 2680. 
fermentation, fluels, cellulolytic enzymes, microorganisms 162. 
fermentation, growth, enhancement, Pachysolen tannophilus, mutants, associatio xylose 6144. 
fermentation, immobilized cells fermenters, mathematical models 156. 
fermentation, immobilized cells, Xluyveromyces fragi 2689. 
fermentation, immobilized cells, Zymomonas mobilis, Saccharomyces cerevisiae, Kluyveromyces fragilis 166. 
fermentation inhibition, Pinus radiata hydrolysates role, Saccharomyces cerevisiae 6132. 
fermentation, Muyveromyces fragilis, use, lactose, bioreactors 1869. 
fermentation, Manihot esculenta, Rhizopus koji 3610. 
fermentation, measuring techniques, gas chromatography, methodology 7811. 
fermentation, merbiarnes, bioreactors, Saccharomyces cerevisiae 7804. 
fermentation, merbiarnes, bioreactors, Saccharomyces cerevisiae 7804. 
fermentation, musts, acette acid bacteria, Gluconobacter oxydans, Acetobactes 
fermentation, musts, acette acid bacteria, Gluconobacter oxydans, Acetobactes

fermentation, musts, acetic acid bacteria, Gluconobacter oxydans, Acetobactes aceti 6936.

acett 6936. fermentation, Pachysolen tannophilus, monitoring, measuring techniques 3611. fermentation, Saccharomyces cerevisiae, carbon sources, nitrogen sources, molasses 3607. fermentation, Saccharomyces cerevisiae, Zymomonas mobilis 3614. fermentation, Saccharomyces uvarum 3616. fermentation, single-cell protein, temperature effects on, Candida tropicalis 4411.

fermentation, toxins, growth rate inhibition, yeasts 2679.

nanol, (continued)
emmentation, use, Escherichia coli, xylose isomerase, xylulokinase, genes,
doning 983.
emmentation, use, grain, vapors phase separation techniques 1875.
emmentation, whey, Kluyveromyces fragilis, immobilized cells 2684.
emmentation, wine, brandy, yeasts, lactic acid bacteria 5279.
emmentation, yeasts 6127.
emmentation, yeasts immobilized cells bioreactors, molasses feeds contamination
6123.

ementation, yeasts 6127.

mementation, yeasts immobilized cells bioreactors, molasses feeds contamination 6123.

mementation, Zymomonas mobilis 2694.

ntracellular levels, factors affecting, Saccharomyces cerevisiae 989.

actose fermentation, bioreactors, Kluyveromyces fragilis 3590.

evels, association defoliation, colonization, Armiliaria mellea, dieback, Quercus velutina, Quercus alba 5586.

evels, fermentation, sensors, computer applications 3635.

evels, fermentation, sensors, computer applications 3635.

evels, measuring techniques, gas chromatography, fermentation, Saccharomyces cerevisiae 3591.

ignocelluloses, cell walls, steam disruption, cellulase hydrolysis 5278.

metabolism, polysaccharides, extracellular polymers production, Agrobacterium radiobacter 6056.

microorganisms biosynthesis, books 2541.

monitoring, sensors, fermentation, Saccharomyces cerevisiae 4419.

monitoring, sensors, fermentation, Saccharomyces cerevisiae 3657.

moduction, aurodine orange, mutagenesis, Zymomonas mobilis 5267.

moduction, ammonium stimulation, fermentation, Saccharomyces cerevisiae 3626.

moduction, association, chromosome number, Pachysolen tannophilus 147.

moduction, association, com± whey fermentation 982.

moduction, association, coms± whey fermentation speciations, growth, yeasts substrates, aerobic conditions 1069.

moduction, association, fluyeromyces fragilis biomass, whey+molasses substrates, aerobic conditions 1069.

moduction, bacch culture, immobilized cells, yeasts 3619.

moduction, batch culture, molei filters, computer applications, growth, yeasts 3630.

moduction, batch culture, molei filters, computer applications, growth, yeasts 3630.

production, batch culture, noise filters, computer applications, growth, yeasts 363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.
363.0.

production, Candicia utilis, anaerobic conditions effects on, xylose fermentation 991.

yorduction, carbohydrates conversion, reviews, microorganisms \$272.

yorduction, carbohydrates conversion, reviews, microorganisms \$272.

yorduction, carbohydrates utilization, Thermoanaerobacter ethanolicus \$283.

yorduction, cellotiose conversion, immobilized cells, +immobilized enzymes, Saccharomyees cerevisiael+ P-D-glucosidaes 8664.

yorduction, cellulose fermentation, Clostridium 6150,

yorduction, cellulose fermentation, Clostridium acetobutylicum 5111.

yorduction, cellulose fermentation, Clostridium thermocellum 5969.

yorduction, cotstridium saccharoptylicum pryruci acid deficient mutant 152.

yorduction, corp residues, elluloylice microorganisms 3637.

yorduction, crop residues fermentation, limmobilized cells, Saccharomyces 3641.

yorduction, crop residues, lignocelluloses fermentation, Saccharomyces cerevisiae 5292.

oroduction, crop residues termentation, pretreatment sol7.

Saccharomyces cerevisiae 5292.

Toroduction, Donylose fermentation, hemicelluloses hydrolysates, yeasts 6935.

Toroduction, Donylulose conversion, feedback inhibition, Schizosaccharomyces pombe roduction, Donylulose conversion, feedback inhibition, Schizosaccharomyces pombe roduction, Donylulose conversion, Saccharomyces, Saccharomyces cerevisiae 3643.

Toroduction, effects on growth, Zymomonas mobilis 5282.

Toroduction, fermentation, bioreactors, optimization, mathematical models, Saccharomyces cerevisiae 6138.

Toroduction, fermentation, bioreactors, optimization, mathematical models, Saccharomyces cerevisiae 6138.

Toroduction, fermentation, cellobiose, glucose, xylose, mixtures, mixed culture, Clostridium saccharolyticum, Zymomonas anaerobia 8661.

Toroduction, fermentation, cellulose, yeasts, Fusarium, Mucor, reviews 6107.

Toroduction, fermentation, continuous culture, Clostridium thermosaccharolyticum 3578.

voduction, fermentation, continuous culture, Clostridium thermosaccharolyticum 3578, voduction, fermentation, corp residues, Malus 3623, voduction, fermentation, crop residues, Malus 3623, voduction, fermentation, high-gravity wort, nutrient requirements, Saccharomyces uvarum 8667, voduction, fermentation, lignocelluioses, Candida acidothermophilum 3617, voduction, fermentation, lignocelluioses, Candida acidothermophilum 3617, voduction, fermentation, lignocelluioses, Clostridium thermocellum, Clostridium thermocytoralyphricium 4418, voduction, fermentation, microorganisms, reviews 6110, voduction, fermentation, monitoring, computer applications, Saccharomyces cerevisiae 5966, voduction, fermentation, monitoring, oxygen consumption, carbon dioxide, computer applications, Saccharomyces cerevisiae 6140, voduction, fermentation, optimization, mathematical models, Saccharomyces cerevisiae 5964.

reduction, fermentation, optimization, mathematical models, Saccharomyces cerevisiae 5964.

roduction, fermentation optimization, sodium azide effects on electron transport cytochrome c oxidase, Saccharomyces cerevisiae 3624.

roduction, fermentation, optimization, yeasts 8660.

roduction, fermentation, Saccharomyces cerevisiae, Kluyveromyces fragilis, roduction, fermentation, Saccharomyces cerevisiae, Kluyveromyces fragilis, robers, Helianthus tuberosus 5297.

roduction, fermentation, Saccharomyces cerevisiae, Zymomonas mobilis, genetic engineering, reviews 6112.

roduction, fermentation, South America, reviews 6108.

roduction, fermentation, whey, lactose, continuous culture, catabolite repression resistance mutants, Saccharomyces cerevisiae 868.

roduction, fermenters, oritinuous culture, Saccharomyces cerevisiae 981.

roduction, fermenters, growth conditions, feedback inhibition, Candida utilis 3629.

3629.
roduction, flocculation gene transfer, Saccharomyces cerevisiae 4406
roduction, flocculation, yeasts 2552.

Ethanol, (continued)

production, fructose, concentration, effects on, Zymomonas mobilis 996, production, fructose fermentation, Zymomonas mobilis 6929, production, glucose fermentation, batch culture, Zymomonas mobilis 3602, production, glucose fermentation, carrageenans immobilized cells, Zymomone s mobilis 5300.

production, glucose fermentation, factors affecting, Saccharomyces carlsbergensis

production, glucose fermentation, fermenters, immobilized cells, Saccharomyces cerevisiae 3606. production, Helianthus tuberosus fermentation, immobilized cells, Kluyveromyces marxianus 3640.

marxianus 3640, production, hemicellulose conversion, Pachysolen tannophilus 3620, production, hemicelluloses fermentation, Thermoanaerobacter ethanolicus 5284, production, immobilized cells, bioroactors 3634, production, immobilized cells, Kiluyveromyces marxianus, Saccharomyces cerevisiae, whey, lactose fermentation 1862, production, immobilized cells, Saccharomyces formosensis 5291, production, immobilized cells, Saccharomyces formosensis 5291, production, immobilized cells, water effects on, Saccharomyces cerevisiae 3659, production, immobilized cells, yeasts 3639, years 3639, years 3639, years 3639, years 3639, years 3639, ye

production, inulin fermentation, Kluyveromyces marxianus, stalks, Heilantnus tuberosus 5298. 
production, Kluyveromyces marxianus, whey permeate fermentation 8669. 
production, Isclose fermentation, Kluyveromyces fragilis 5289. 
production, lignocelluloses 3600. 
production, lignocelluloses 3600. 
production, lignocelluloses bydrolysis, cellulase + hydrogen peroxide 5303. 
production, lignocelluloses hydrolysis, cellulase activity, Trichoderma reesei, 
Trichoderma harzianum, Klebsiella pneumoniae, Saccharomyces cerevisiae, Zymomonas 
mobilie, 6774.

Tricnoderma narzianum, nieosienia prieumoniae, caucinaumyues usiesvisiae, cynnumobilis 527, production, malici edenydrogenase, alcohol dehydrogenase, Saccharomyces cerevisiae 4409.
production, measuring techniques, use, gas chromatography, computer applications

Tour methodology, reviews 6111. production, microorganisms, contamination, molasses, continuous culture, immobilized cells, yeasts 7799. production, microorganisms, fermentation, characterization, books, conferences

8500 production, molasses fermentation, immobilized cells, Saccharomyces formosensis 168

production, molasses fermentation, immobilized cells, Saccharomyces cerevisiae 8659.

production, molasses fermentation, Saccharomyces cerevisiae, immobilized cells 167.

167.
production, musts, oxygen effects on, yeasts 6122.
production, oscillations, fermentation, continuous culture, mathematical models, Saccharomyces cerevisiae 6119.
production, oxygen effects On, Saccharomyces cerevisiae 3603.
production, Pachysolen tannophilus 363.
production, petrochemicals, biomass 3372.
production, potassium nutrient requirements, single-cell protein production, Torulopsis ethanolitolerans 3409.
production, relationship, isolation methodology, Zymomonas mobilis 4415.
production, Saccharomyces cerevisiae, measuring techniques, gases sensors electrodes 1868.
production, Saccharomyces uvarum, immobilization, growth 1866.
production, Saccharomyces uvarum, immobilized cells, fermentation, juices, Sorghum bicolor 8658.
production, Saccharomyces uvarum, mutants, fermentation 7802.

Sorghum bicolor 8658.
production, Saccharomyces uvarum, mutants, fermentation 7802.
production, salts, inhibition 4412.
production, Sorghum juices Fermentation, Yeasts 5302.
production, sporulation relationship, Clostridium acetobutylicum 7784.
production, starch fermentation 8682.
production, sucrose fermentation, monitoring, computer applications, immobilized cells, Saccharomyces cerevisiae 6143.
production, sugars fermentation, cost-benefit analysis, tubers, Beta vulgaris

production, sugars fermentation, immobilized cells, Saccharomyces cerevisiae 6130

production, sugars fermentation, Maillard reaction, Saccharomyces cerevisiae

production, sugars fermentation, Maillard reaction, Saccharomyces cerevisiae 8662.
production, sugars fermentation, starch, amylolytic enzymes pretreatment, Zymomonas mobilis 8663.
production, sugars fermentation, wood hydrolysis, enzymes, acids 7814.
production, temperature effects on, Kluyveromyces manklanus 3588.
production, viability, yeasts 3632.
production, whey fermentation, on-Diglucosidase activity, Saccharomyces fragilis 3604.
production, wylose conversion, Pachysolen tannophilus 3595.
production, xylose fermentation, Pachysolen tannophilus 3595.
production, xylose fermentation, Pachysolen tannophilus 171.
production, xylose fermentation, Pachysolen tannophilus 3596.
production, xylose fermentation, Pachysolen tannophilus 5281.
production, xylose fermentation, Pachysolen tannophilus comparison Pichla stipits 6136.
production, xylose fermentation, Pachysolen tannophilus by the stipits 6136.
production, xylose fermentation, Pachysolen tannophilus comparison Pichla stipits 6136.
production, xylose fermentation, Pachysolen tannophilus propublis operation production, xylose fermentation, peats 5285.
production, yylose fermentation, peats 5285.
production, zymomonas mobilis 3591.
production, zymomonas mobilis 36391.
production, zymomonas mobilis 3615.
production, zymomonas mobilis, carbon sources, effects on, growth, morphology 3615.
production, zymomonas mobilis, carbon sources, effects on, growth, morphology 3615.
production, zymomonas mobilis, carbon sources, effects on, growth, morphology 3615.
production, zymomonas mobilis, carbon sources, effects on, growth, morphology 3615.

production, Zymomonas mobilis, fructose substrates, factors affecting, kinetics 148.

140. James de la comparison production, Zymormonas, sucrose fermentation, reactors 153. solubilization, a metabolism, Candida lipolytica 1307. sugars fermentation, realtanes, sendida lipolytica 1307. sugars fermentation, cellulose hydrolysis, cellulolytic enzymes, cost-benefit analysis, Trichoderma reesei 5299.

tolerance, Clostridium thermohydrosulfuricum, factor affecting fermentation physiology, 6135. Ethanol, (continued) binysiology 6133.
tolerance, relationship heat shock proteins biosynthesis, Saccharomyces cerevisiae 988.
use, separation techniques, citrus exocortis viroid infected Gynura aurantiaca use, separation techniques, usus escapea. RNA, DNA 3248.
utilization, association alcohol dehydrogenase, Escherichia coli 5972.
Ethanolamine ammonia-lyses, induction, purification, characterization, Escherichia coli 4280.
Ethildium bromide, fluorescence staining, bacteria, blood samples 5044. fluoreso Ethiopia, Ascorbyta blight, Cicer arietinum 3790. Hodeum vulgare, loose smut disease resistance 5503. hospitals, blood culture, clinical isolates, bacteria, antibiotic sensitivity testing 7400. Ethoprop,
fumigation, effects on soil microorganisms, crop fields 5681.

3.44 - Ethoxy-3 -methoxyphenyl)-2-(4"-methoxyphenyl)propionic acid,
biodegradation, association, lignin, metabolism, Phanerochaete chrysosporium
3662. 3662.

Ethyl(R)-(-)-3-hydroxy-2-methylpropanoate, production, ethyl a-formylpropanoate conversion, yeasts 7768.

Ethyl a-formylpropanoate, conversion, ethyl(R)-(-)-3-hydroxy-2-methylpropanoate production, yeasts 7768.

Ethyl a-estate, production, ethanol conversion, Candida utilis 8516.

Ethyl 3-excbutanoate, a-hydroxybutanoate, Geotrichum candidum, Aspergillus niger reduction, formation, 3-hydroxybutanoate, Geotrichum candidum, Aspergillus niger 6-Ethyl-6,9-dihydro-9-oxopyrazotol/3/4-figuinoline-5-carboxylic acid, synthesis, structure, antibacterial activity 1331.

Ethylbenzene, blodgradation, plasmids, Pseudomonas fluorescens 4425.

Ethylene, blodgradation, plasmids, Pseudomonas fluorescens 4425.

Ethylene, blosynthesis, hypersensitive response, infection, tobacco mosaic virus, tobacco necrosis virus, Nicotiana tabacum 2060.

blosynthesis, hypersensitive response, tobacco mosaic virus, temperature, light effects on, leaves, Nicotiana tabacum 2061.

effects on survival, Conferales seedlings, mycorrhizas, cold storage 5581.

induction leaves chlorosis, Poa pratensis leafspot 8797.

production, asoccarps, forests, Elaphomyces, Sweden 351.

production, asoccaition, carbon monoxide, inhibition, nitrogenase, soil microorganisms, soil 6357.

production, Capsicum annuum, spot, Xanthomonas campestris pv.vesicatoria 4546.

production, fruits, Rhizopus stolonifer infection effects on, Lycopersicon esculentum 2011.

production, microorganisms 8265. escularium 201 ganisms 8265.

production. Previolatium digitatum, use, Citrus wastes 973.
treatment, Pencilium digitatum, use, Citrus wastes 973.
treatment, Pencilium digitatum, use, Citrus wastes 973.
treatment, Pencilium dialcum post-harvest decay, oranges susceptibility 3853.
Ethylene oxide,
resistance, Bacillus sublisi var.niger spores, sterilization cycles 4035.
sterilization, medical equipment 1361.
Sterilization, medical equipment 8341.
Ethylmercuric chloride,
seed treatments, seed-borne diseases, Pinus roxburghii 8176.
Ethylmercuric chloride,
seed treatments, seed-borne diseases, Pinus roxburghii 8176.
Ethylmertanesulfonate,
mutagenesis, methionine over production, single-cell protein, yeasts 5115.
mutagenesis, methionine over production, single-cell pr Eubacterium,
16a-hydroxyprogesterone dehydroxylase, isolation, characterization 4310.
septicemia detection, liquid culture methodology, man 2466.
Eubacterium lentum,
bile acids, linoleic acid, metabolism 1888.
Eubacterium limoaum,
rRNA, comparison methodology 2513.
Eubacterium tenue,
rRNA, comparison methodology 2513. rRNA, comparison interactions and a comparison interactions and a compound of the compound of hybrids, infection, Alternaria tenuis, Cladosporium herbarium, symphonios records 2118.
leafspot, Autographina eucalypti 5612.
leafspot, Autographina eucalypti 5612.
leaves, mycoplasma-like organisms infection 4617.
Phytophino crimamomi infection, roots, water relations 5605.
luss, Fuccina politi, disease resistance 5594.
luss, Fuccina politica funcional politica fu electrical impedance, debuck, Arminiana futeocubalina 2117.

Eucalyptus grandle, seediings, stem canker, Cylindrocladium scoparium, disease control 6324.

Eucalyptus maculata,
Phytophthora cinnamomi infection, factors affecting pathogenesis 2119. Eucalyptus marginata, bark, water content, relationship Phytophthora cinnamomi infection 358. bark, water content, relationship injugations crimination intection 355: canker, etiology, pathology 370. dieback, disease control, Phytophthora cinnamomi 8170. phloem, Phytophthora cinnamomi infection, stems lesions development 3842. rhizosphere, actinomycetes, antagonism, Laccaria laccata, Pythium, Phytophthora

Eucalyptus pitularis,
Phytophthora cinnamomi infection, factors affecting pathogenesis 2119.
Eucalyptus sieberl,
root rol, Phytophthora cinnamomi, soil types 5584.
Eucalyptus tetradonta,
stands. Phytophthora cinnamomi, dieback 359.
Eudlstoma olivaceum,
eudistomins isolates, antiviral activity 9122.
eudistomins isolates, antiviral activity 9123.
Eudlstomins Eudistomins, 2099.

Croots, temperature, effects on, Phytophthora cinnamomi, infection 3912.

Eucalyptus obliqua, electrical impedance, dieback, Armillaria luteobubalina 2117. forests, litter, soil, acetylene reduction, nitrogen-fixing bacteria 8937.

Euolistomins, antriviral activity, Eudistoma olivaceum isolates 9122. antiviral activity, Eudistoma olivaceum isolates 9123. Eudyptes chrysolophus, colonies, nitrogen cycle 9003. colonies, nitrogen cycle 9003.

Eugenol,
blodegradation pathway, Pseudomonas 4421.

Eunicella cavolini,
vidarabine isolates, antiviral activity 9128.

Eupatorium odoratum,
daylength, effects on infection, Glomus macrocarpus 8977.
growth, soil temperature, oxygen, inoculation, vesicular-arbuscular mycor
Glomus macrocarpus 7266.
light intensity, effects on infection, Glomus macrocarpus 8975.
soil aeration, carbon clioxide effects on symbiosis, Glomus macrocarpum
soil aeration, carbon clioxide effects on symbiosis, Glomus macrocarpum
soil aeration, carbon clioxide effects on symbiosis, Glomus macrocarpum
soil aeration, carbon clioxide effects on symbiosis, Glomus macrocarpum
soil aeration, carbon clioxide effects on symbiosis, Glomus macrocarpum
soil aeration effects or symbiosis, Glomus macrocarpum
soil aeration, carbon clioxide effects on symbiosis, Glomus macrocarpum
soil aeration, carbon clioxide effects on symbiosis, Glomus macrocarpum
soil aeration, carbon clioxide effects on symbiosis, Glomus macrocarpum
soil aeration, carbon clioxide effects on symbiosis, Glomus macrocarpum
soil aeration, carbon clioxide effects on symbiosis, Glomus macrocarpum
soil aeration, carbon clioxide effects on symbiosis, Glomus macrocarpum
soil aeration, carbon clioxide effects on symbiosis, Glomus macrocarpum
soil aeration, carbon clioxide effects on symbiosis, Glomus macrocarpum
soil aeration, carbon clioxide effects on symbiosis, Glomus macrocarpum
soil aeration, carbon clioxide effects on symbiosis, Glomus macrocarpum
soil aeration, carbon clioxide effects on symbiosis, Glomus macrocarpum
soil aeration, carbon clioxide effects on symbiosis, Glomus macrocarpum
soil aeration, carbon clioxide effects on symbiosis, Glomus macrocarpum
soil aeration, carbon clioxide effects on symbiosis, Glomus macrocarpum
soil aeration, carbon clioxide effects on symbiosis, Glomus macrocarpum
soil aeration, carbon clioxide effects on symbiosis, Glomus macrocarpum
soil aeration effects on symbiosis effects on symbiosis, Glomus macrocarpum
soil aerat Eupenicitium, ascospores, seasonal variations, soil horizons, forest floor 5540. Euphorbia, latent infection, Euphorbia lathyris, weeds, USA, Arizona 8044. Euphorbia lathyris, Macrophomina phaseolina latent infection, sclerotia soil levels, USA, Arizona 8044. Euphorbia virus, infection, effects on, Datura stramonium, ultrastructure 3817. Europe, methanogenesis, diger Eurotium amstelodami. methanogenesis, digestion (anaerobic), reactors design, surveys, books Euroflum amstelodami, spoilage, occonut 5344, spoilage, water content effects on, mathematical models, apples 8877. Euroflum chevalleri, spoilage, occonut 5344. Euroflum herbariorum, spoilage, occonut 5344. Euroflum herbariorum, spoilage, occonut 5344. Euroflum herbariorum, spoilage, occonut 5344. Euscelldius variegatus, vectors, transmission, Spiroplasma stunt, Sinapis alba, Pisum sativum, F. sativus, Spiriacia oleracea 8030. Eutrophic environments, sativus, Spiriacia oleracea 8030. Eutrophic environments, lakas, aluminum sulfate treatment, role, removal, inactivation, fecal colifo Streptococus 9252. Eutropha environments, lakas, aluminum sulfate treatment, role, removal, inactivation, fecal colifo Streptococus 9255. Wound infection, biological control, antagonism, Fusarium lateritium conic orchards, Prunus armenica 6307. Eutypella parasitica, canker, pathology, economic importance, Acer saccharum, Canada 8178 Evaportans, etc., and parasitica, canker, pathology, economic importance, Acer saccharum, Canada 8178 Evaportanspiration, composting, temperature, oxygenation, ventilation 4085. Evaportanspiration, biological bioxiders, pathology, economic importance, Acer saccharum, Canada 8178 Evaportanspiration, composting, temperature, oxygenation, ventilation 4085. Evaportanspiration, pathology, economic importance, Acer saccharum, Canada 8178 Evaportanspiration, economic importance, Acer saccharum, Canada 8178 Evaportanspiration, economic importance, Acer saccharum, Canada 8178 Evaportanspiration, economic importance, Acer saccharum, Canada 8178 Evaport digestion (anaerobic), reactors design, surveys, books volution; catabolism pathway, bacteria, reviews 7821. nitrogen fixation, bacteria, biosphere, paleoenvironments 2171, population genetics, host-pathogen interactions, plant diseases 1106. selection, antibiotic resistance mechanisms, bacteria, reviews 9056. population genetics, host-patnogen interactions, piant diseases 1100. selection, antibiotic resistance mechanisms, bacteriar, reviews 9056. Excretton, Larus ribibundus, Salmonella, relationship, Salmonella contamination ser sludge, feeding, serotyping 9245. Exo-1-4α-D-plucosidase, amino acid sequence, Aspergillus niger 7724. Aspergillus awamori, genes, cloring 3498. Aspergillus niger, tramboliized enzymes, starch processing 111. biosynthesis, Aspergillus onyzae, carbon sources, nitrogen sources 4332 biosynthesis, Aureobasidium pullulans 8603. fungi, immobilized enzymes systems, corn syrup production 208. hydrolysis, maltose, isomatiose, mathoriose, Aspergillus niger 3473. immobilization, use textiles, hydrophobicity 5142. immobilized enzymes, kinetics, stability, Aspergillus niger 78. immobilized enzymes, kinetics, stability, Aspergillus niger 78. immobilized enzymes, kinetics, stability, Aspergillus niger 78. immobilized enzymes, kinetics stability, Aspergillus niger 78. inmobilized enzymes, kinetics starch, matiose hydrolysis, Rhizopus dele immobilized enzymes, kinetics starch, matiose hydrolysis, Rhizopus niveus, Aspergillus niger 3464. Production, genetic analysis, Saccharomyces cerevisiae, Saccharomyces 5155. 5155. production, mutants selection, catabolite repression, Aspergillus niger 5 production, optimization, carbohydrates hydrolysis, fungi 5193. production, Rhizopus thailandensis, immobilized cells, bioreactors, math models 7729. production, screening, fungi 8544. purification, kinetics, Aspergillus niger 934. Rhizopus, immobilization, use, poly(tetrafluoroethylene) membranes+Co 39 Brizopus niveus, immobilized enzymes, maltose, starch hydrolysis, real starch hydrolysis inhibitors, glycoproteins, purification, characterization, Aspergillus 3500. Aspergillus 3500.

Aspergillus aspergillus saitoi 6863. subunits, binding specificity, Aspergillus saitoi 6863. subunits, punification, characteristics, Saccharomyces diastaticus 8570. tryptophan residues, rote activity, Aspergillus niger 7726.

Exoc. 1, 49-D-xylosidase, activity, suburate specificity, monosaccharides, pH, temperature effects Aspergillus niger 7725. blosynthesis, characterization, Neurospora crassa 6013.

2099

co-1,4-p-D-xyloaidasa, (continued)
characterization, Aspergillus niger 4320.
enzymatic activity production, Cellulomonas growth, carbohydrates substrates 32.
gytosylation, p-nitrophenyl-B-D-glucopyraneside,
p-nitrophenyl-B-D-g

Bacillus thuringiensis subsp.berliner, clays formulations, pest control, Pulicidae 43(a).

totoxin A, hybrids, biotechnology, genetic engineering, Pseudomonas aeruginosa 7121. Staphylococcus aureus, electrosyneresis assays 4480.

Staphylococcus aureus, electrosyneresis assays 4480.

Staphylococcus aureus, electrosyneresis assays 4480.

totoxins, Bacillus thuringiensis, biological control, bioassays, toxicity, larvae, Hypera postica 8641.

Bacillus thuringiensis, mortality, larvae, Achaea janata 1852. characterization, Vibrio 5391.

high-performance liquid chromatography, assays, insecticides, biological control, Bacillus thuringiensis; 2766.

purfication, characterization, Staphylococcus aureus 4482.

toxic shock syndrome, biosynthesis, inhibition, clindamycin 7116.

glosives, 2, 46-trinitrotoluene, hexahydro-1,3,5-trinitro-1,3,5-triazine, biodegradation, composting, soil decontamination 7511.

taerohilum rostratum, leafspot, Chrysalidocarpus lutescens, foliar applications, micronutrients, fungicides, survival, soil 2137.

tracellular enzymes, activity, Geotrichum candidum, virulence, plant diseases 7128.

a-1-arabinofuranosidase, characterization, Erwinia carotovora 5133.

Bacillus thuringiensis proteinase, biosynthesis, proteins effects on 1818.

glucose isomerase, characterization, Chainia 7742.

inhibition, propylene phenoxetol, antibacterial activity, Propionibacterium acnes 4726.

inhibition, propylene phenoxetol, antibacterial activity, Propionibacterium acnes 4725, mice c-amylase biosynthesis, cloning vectors, gene expression, Saccharomyces cerevisiae 5169, monophenol monooxygenase, production, Rhizopus, Mucor 7759. oxidase, molds, detection 1799, oxidase, molds, detection 1799, oplyamine oxidates, acetylpolyamines oxidation, Penicillium 932. polygalacturonase, purification, Aspergillius niger 926, production proteinase, ultrastructure, Streptomyces rimosus, Streptomyces violocinereus 5882.

polygialacturonase, purification, Aspergillus niger 926, production, proteinase, ultrastructure, Streptomyces rimosus, Streptomyces violocinereus 6882, production, Phizopus, Mucor 5126, proteinase activity, gramicidin D effects on, Bacillus thuringiensis 6025, proteinase activity, gramicidin D effects on, Bacillus thuringiensis 6025, proteinase, asicilus megaterium, temperature effects on, 4292, proteinase, biosynthesis, temperature effects on, Bacillus licheniformis 4879, proteinase, characterization, Neurospora crassa 6885, proteinase, cold storage effects on recovery, Aeromonas hydrophila 7762, proteinase, colation, characterization, Staphylococcus aureus 6608, proteinase, Pseudomonas aeruginosa, stimulation, whey, casein 1810, proteiny, experience, sicalization, aspergillus wentii 916, purification, chromatography, microorganisms 5159. Steptococcus mutans, role polysaccharides biosynthesis 8616. triacylglycerol lipase, fool industry, reviews, microorganisms 2600. sylose isomerase, characterization, Chainia 7742, sylose isomerase, characterization, Chainia 7742, sylose isomerase, production, Chainia 91. tracellular polymers, activated sludge, axtraction, activated sludge, axtraction methodology, flocculation correlation 1462. carbohydrate composition, antitumor activity, Coriolus 3471. Eminia amydovra, polysaccharides, characterization, infection, tissue culture, Maius pumila 1835. activated sludge, extraction, activated sludge, extraction, activated sludge, approved activated sludge, articular polysaccharides, production, seed germination, Lycopersicon esculentum 6309. polysaccharides, biosynthesis, carbon sources, nitrogen sources effects on, Cryptococcus laurentii 5198. Chylococcus laurentii 5198. Chylococcus laurentii 5198. Solysaccharides, clostridium, artitumor activity, sarcora, mice 3640. 2019/saccharides, production, ethanol metabolism, Agrobacterium radiobacter 6056. 2019/saccharides, role filiacobium meliioti, infectivity, nodulation, Medicago sativa 6372. 2019/saccharides, volysaccharides, produc

ungi contamination contact lenses, man 1527.

Eye, (continued)
microflora, cermenoxime antibacterial activity, man 7546.
Eye spot,

Gramineae, Pseudocercosporella herpotrichoides spores dispersal, inhibition, cellulose xanthate 8058.

Colluciose xannate ouco.

Gramineae, soil microorganisms, antagonism, Rhizoctonia, Ceratobasidium 7208.
Pseudocercosporella herpotrichoides, carbendazime resistance 5721.
Pseudocercosporella herpotrichoides, disease resistance, genes, Aegliops ventricosa, transfer, Triticum aestivum 8078.
Pseudocercosporella herpotrichoides, relationship, Triticum aestivum respiration

Pseudocercosporeila herpotrichoides, relationship, i micum aestivum respiration 2795. Pseudocercosporeila herpotrichoides, Triticum aestivum, factors affecting spore germination 7146. Pseudocercosporeila herpotrichides, Triticum aestivum, carbendazim resistance association treatment 8129. Rhizoctonia cerealis, Triticum aestivum, effects on yield 1133.

Eyespot,
Cercospora coffeicola, shading, rainfall, seasonal variations, plantations,
Coffea arabica 273.

Coffea arabica 273.

Pseudocercosporella herpotrichoides, spores dispersal, rainfall, wind, straw, Triticum aestivum 1997.

Fabrics.

desizing, a-amylase, fungi, bacteria, textile industry 52. Q factor,

production, Gaeumannomyces graminis var.tritici 8374. Factor F430, N.M.R., structure 6071.

Facultative bocteria, β-lactamase protection, role, Bacteroides melaninogenicus protection, peniciliin antibacterial activity 5775. Fagonia cretica, plant extracts, antimicrobial activity 8339.

Fagus grandifolia, bark phenois, levels, host-pathogen interactions, Nectria coccinea var.faginata 8188.

Fagus silvatica, wood, decomposition, bacteria 7239.

wood, decomposition, bacteria 7239.
Fagus aylvettica,
association, soil, denitrification, bacteria 2991.
decay fungi, biological control, bacteria, fungi 5589.
decay fungi, biological control, Trichoderma viride, Bacillus, field trials 5587.
forests, litter fall decomposition, British Isles 352.
fungal flora, association, natural pruning 2105.
mycorrhizas symbiosis development, ultrastructure 2104.
pathogenicity, Armillaria mellea 353.
Falcarindiol,
Lyconersicon escularium, characterization, Verticillium altonatum infection.

Lycopersicon esculentum, characterization, Verticillium albo-atrum infection 7200.

Lycopersicon esculentum, characterization, Verticillium albo-atrum infection 7200.

Fallow land,

soil microorganisms, mineralization, nutrient cycles, Triticum aestivum 5668. Fallowing, denitrification, agricultural land, Triticum aestivum 2988.

p-Farnesene, derivatives, Myzus persicae, effects on disease transmission, plant diseases, potato virus Y 5401.

Farnesol dehydrogenase, lipomoea batatas, biack rot, Ceratocystis fimbriata, effects on 7187.

esterification, triacylglycerol lipase immobilized enzymes, Rhizopus delemar 67. Fatty acld composition, Achromobacter xylosoxidans nosocomial infection isolates, antibiotic sensitivity

Achromobacter xylosoxidans nosocomial infection isolates, antibiotic sensitivity testing 4789.
glycolipids, 3-methoxy octadecanoic acid, Rhodotorula glutinis 4382. lipids, production, Rhodotorula glutinis 5217. lipids production, Poasts 3363.
Phytophthora infestans, mycella, role pathogenicity, Solanum tuberosum 2012. Pleurotus ostreatus, 5336.
Propionibacterium, dairy starters, relationship growth, cold 3699.
Staphylococcus aureus, artibiotic AL-87 resistance association 7313. yeasts, gas chromatography 836.
Patty acid synthetiase, active sites peptides, amino acid sequence, Cephalosporium caerulens, comparison, Saccharomyces cerevisiae 8529. cerulenin, antibiotic resistance, purification, characterization, Cephalosporium caerulens, comparison, Saccharomyces cerevisiae 6854.
Patty acids,

purification, Scornpansion, Saccharomyces cerevisiae 8528.

Fatty acids,
analysis, bacteria biomass, community structure, Rhizophora sediments 8989.
antibacterial activity, Mycobacterium 6298.
Bacillus cereus, concentration methodology 4212.
biosynthesis, comparison brefeldin A biosynthesis, stereochemistry, Penicillium brefedianum 8378.
biosynthesis, fermentation, milk, dairy starters 7865.
biosynthesis, fermentation, milk, dairy starters 7865.
bone, synergism, antagonism, gentamicin, bacteriostasis 4052.
by-products, inhibition, fermentation, wine production, yeasts 5286.
carbon-13 distribution, Cenococcum graniforme, Hebeloma crustuliniforme, N.M.R.
8957.
copper salts, disease control. Penudococcum graniforme, Hebeloma crustuliniforme, N.M.R.

8957.

copper salts, disease control, Pseudomonas syringae pv.morspunorum, canker, Prunus cerasus 344.

esters, bacteria, biochemical analysis, methodology 3270.

fluorescence, affatoxins, analysis, thin-layer chromatography, high-pressure liquid chromatography, grain, 22a mays 972.

inhibition valibility, fermentation. Saccharomycos cerevisiae 3625.

nuthent sources, Aspergituid and control of the control o

Feedback inhibition, (continued) ethanol, chemostats, Saccharomyces cerevisiae 6938. ethanol, Dryklulose fermentation, Schizosaccharomyces pombe 3589. ethanol production, growth conditions, fermenters, Candida utilis 3629. fermentation, anaerobic bacteria 4251. Fatty acids, (continued) unsaturated, Legionella, structure detection, methodology 9308. volatiles, methanogenesis, digestion (anaerobic), food processing, industrial wastes 5704. wastes 5704.

Fatty scyl-CoA oxidase,
activity, Phanerochaete chrysosporium mycelia, hydrogen peroxide production,
lignin biodegradation 3476.

Fatty-actd synthetase,
amino acid sequence, Escherichia coli 900. nemmanon, anaerooic daciena 4251.
glucose, cellobiose, cellulose hydrolysis, cellulase, Thermomonospora 8692.
regulation, plasmids stability, chemostats, methylotrophic bacteria 9303.
D-xylulose conversion, ethanol production, Schizosaccharomyces pombe 3644. D-xylulose conversion, etnanol production, of a contextual production, freeding, Aves, Osspora lactis triacylglycerol lipase, captivity 7008. glucose, Escherichia coli batch culture, electrodes monitoring 676. Larus ribibundus, association, Salmonella contamination sewage sludge, excretion relationship, serotyping 9245. soil microorganisms, bacteria, actinomycetes, Aphelenchus avenae 7263. Feeding behavlor, feeds contamination, mycotoxins, chickens 7898. amino acid sequence, Escreticiale coli 900.

Fecal coliforms,
antibiotic resistance, chlortetracycline, Bolation, pigs 5711.

Aves, microbial politition, rivers, Canada 1502.

chlorine disinfection, waste water, ponds 6671.

counting methods, medie (enrichment), chlorination, wastewater treatment counting methods, media (enrichment), chlorination, wastewater freatment effluents 1470. disirflection, heat+hydrogen peroxide, septic tanks effluents 9243. hydrocarbons, biodegradation, waste water, oil installations 2374. indicator species, linciaction, waste water, marine environment 1499. indicator species, lipicia cid reduction, potentiometry, microbial pollution, water analysis 250 indicator species, microbial pollution, drainage, water quality, soil amendment, manure, crop fields 6709. indicator species, microbial pollution, sewage effluents, hydrology, estuaries indicator species, microbial pollution, sewage effluents, hydrology, estuaries Feeding regimes,
Fusarium mycotoxins, turkeys, females, reproduction 3720. Feeds, additives, antibiotics, antibiotic resistance, bacteria, livestock, reviews 9062, additives, avoparcin, effects on feed efficiency, cattle 7878, additives, chlortetracycline, antibiotic resistance, aerobic bacteria, coliforms, additives, chloritetracycline, antibiotic resistance, aerobic bacteria, coliforms, animal isolates, piga 8295. 
additives, growth regulators, antibiotic sensitivity testing, gram-positive bacteria, intestinal microflora, animal isolates 3729. 
aflatoxins contamination correlation zinc levels, chickens 4473. 
animals, aflatoxins detection, Zaire 7057. 
animals, aflatoxins detection, Zaire 7051. 
animals, detection aflatoxins, India 7051. 
animals, detection, mycotoxins, methodology, use, high-performance liquid chromatography, thin-layer chromatography 7053. 
animals, isolation Aspergillius, affatoxins biosynthesis in vitro, Egypt 7062. 
animals, mycotoxinosis association ingestion, Yugoslavia 7048. 
animals, mycotoxins food contamination, screening methodology, British Isles 7047. 6710 indicator species, microbial pollution, sewage outfalls, coastal waters 6711. indicator species, mortality, temperature, digestion (aerobic), sewage sludge 1485.
indicator species, pollution monitoring, rivers. Clostridium perfringens 5855. indicator species, sewage sludge, ocean dumping, marine pollution 2389. indicator species, wastewater treatment 2342. indicator species, waste quality, pollution effects, waste water, canals 4132. less that the sewage sludge species of several problems of the sewage sludge species waster quality, pollution aquaeuthure, Hypophthalmichthys mobils seed. In the sewage sludge several sewage sludge sewage sewa 7047.
animals, rubratoxin B Penicillium, use, thin-layer chromatography, methodology, factors affecting 7054.
antibacterial activity, chloretracycline, virginiamycin, pigs, Salmonella typhimurium experimental infection 4465.
antibiotic resistance containing, animal isolates, anaerobic bacteria, chloretracycline antibiotic resistance, pigs 2197.
antibiotics, relationship R factors, antibiotic resistance, animal isolates, Escherichia coli 4003. 7047 method 2391.

most probable number, pollution monitoring, rivers 1495.
pollution monitoring, lakes 2398.
reduction, calcium oxide, sewage sludge, land disposal 2375.
release, cattle feces, rain, water quality 4941.
removal, inactivation, role, aluminum sulfate treatment, eutrophic environments, lakes 9252.
removal, kinetics, filters, anaerobic conditions, wastewater treatment 1474. Escherichia coll 4003.

chickens, decontamination, Salmonella, microwave radiation, steam, hot air 1066.

chickens, molds food contamination, ingestion effects on body weight 7014,

chickens, mycoflora, aflatoxins biosynthesis, accumulation, storage conditions

effects on 7084. contamination, aflatoxicol, aflatoxin B1, aflatoxin M1, levels, eggs, tissues, chickens 8727. removal, kinetics, litters, anaerobic conditions, wastewater tre self-purification, pollution monitoring, lakes 569. tetracycline, antibiotic resistance, pigs, characterization 1317. water pollution, rivers, Brazil 7535. water, recreation sites, membrane filtration, detection 8418. chickens 8727.
contamination, aflatoxins, oilseed crops 7899.
contamination, aflatoxins, detoxification 7893.
contamination, mycotoxins, feeding behavior, chickens 7898.
contamination, Salmonella, chickens 7009.
contamination, Staphylococcus, coliforms, Salmonella, sturnes, sheep 7018.
contamination, overnitoxin, pregnancy, pigs, effects on fetuses 2746.
com, pellelung, propionic acid, preservatives, effects on lungi, contamination water politution, rivers, Brazii / 255.
water, recreation sites, membrane filtration, detection 8418.

Fecal,
Aeromonas hydrophila, Plesiomonas shigelloides, man, media (Isolation) 7592.
antibiotics residues, inhibition methanogenesis, digestion (anaerobic) 8396.
Campylobacter fetus subsp.jejuni, gastrointestinal tract detection, swabs comparison 736.
Campylobacter jejuni Isolates, isolation, media (selective) 5035.
cattle, detection, rotavirus, coronavirus, electron microscopy comparison enzyme-linked immunosorbent assays 4534.
cattle, fecal coliforms release, rain, water quality 4941.
chickens, fermentation, fungi screening 3586.
Clostridium difficie spores, media (Isolation), sodium taurocholate 688.
coliforms tetracycline resistance incidence, man, hybridization analysis 1316.
coronavirus (bovine) detection, passive hemaggiutination methodology 5886.
detection, rotavirus (human), electron microscopy, comparison, Rotazyme 3239.
Escherichia coll isolates, antibiotic resistance, sheep 7321.
fluorescent antibody test, detection, Citostridium difficile, methodology, man 3302.
immunoassays diagnosis adenovirus (Isostridium difficile, methodology, man 3302.
immunoassays diagnosis adenovirus (Isostridium difficile, methodology, man 3302.
immunoassays diagnosis adenovirus (Isostridium difficile), metida (enrichment) 7581.
isolation, Campylobacter, use, gases generator tablets 3318.
isolation, Clostridium difficile, media (enrichment) 4469.
Larus, campylobacter, use, gases generator tablets 3318.
isolation, Clostridium difficile, media (enrichment) 6469.
Larus, campylobacter fetus subsp.jejuni isolation, role, incubation temperature 1648.
man, Campylobacter fetus subsp.jejuni, media (transport) comparison 3309. digestion (aerobic), effects on nutritive value, manure, chickens 6201 domestic animals, biodeterioration, Aspergillus fumigatus 1025 ducks, Fermosin toxicity 5354. oucks, Permosin toxicity 5354, fermentation, microorganisms 5353, fishery products, radiation disinfection, bacteria 5359, isolation, Salmonella, serotypes, biotypes 6963, molasses, contamination, yeasts immobilized cells bioreactors, ethanol fermentation 6123. fermentation 6123.

mycotoxins, surveillance, Australia 1074.
nutritive value, animal wastes, fermentation, silage, pigs 7019.
Paccilomyces varioti, chickens, nutritive value 7103.
preservatives, N-oxime ethers, antifungal activity 8713.
production, fermentation, silage, tropical environment, Gramineae 5358.
protens levels, measuring technique, Streptomyces griseus proteinaee 6047.
proteins, production, association, com± whey termentation 982.
pyrantel tartrate, -thylosin, -lincomycin, prophylaxis, treatment, Treponema hydysenteriae, dysentery, pigs 1918.
Saccharomyces cerevisiae, effects on growth, chickens 7874.
Saccharomyces cerevisiae single-cell protein, toxicity, pathogenesis, buffaloes 1071. noad, Campylobacter fetus subsp.jejuni, media (transport) comparison 3309. man, Erwinia herbicola detection, media (culture) 1659. man, isolation, Bifidobacterium adolescens, Bifidobacterium breve, indicator 1071.
Salmonella recovery, media (enrichment), pyruvic acid effects on 3322.
single-cell protein, nutritive value 1914.
storage buildings, isolation, fungi pathogens 582.
supplements, Lacitobacillus plantarum, lysine biosynthesis, nutrient requirements, colonization, gastrointestinal tract, chickens 7010.
turnips+straw, digestibility, inhibition cellulolytic bacteria, rumen, cattle 1920. species, water pollution 562.

man, rotavirus (human) detection, methodology comparison 641.

man, viruses, separation techniques, potassium tartrate+glycerol density gradients 1555. graulettis 1000. Reptilia, Salmonella cultivation techniques, zoological gardens 4208. rotavirus (human) antigens detection, immunoassays solid-phase methods, children 4169. notavirus (human) antigens detection, immunoassays solid-phase methods, children
4169,
notavirus (human) detection, enzyme-linked immunosorbent assay, electron
microscopy, passive hemagglutination 1552.
notavirus (human) detection, enzyme-linked immunosorbent assay methodology,
neonates, man 8444,
rotavirus (human) detection, enzyme-linked immunosorbent assay, comparisor,
electron microscopy, immunoelectron microscopy 3236.
storage, effects on Salmonella isolation 5051.
supernatants, Eschenchia coli entertotroxins production detection 1961.
toxins detection, Clostridium difficile, enzyme immunoassay 6216.
vruses, detection, immunoelectron microscopy methodology, association
gastro-enteritis, neonates, man 3252.
Yersina enterocolitica, media, celective) 709,
Yersina enterocolitica, media, celective) 709,
Yersina enterocolitica, media, celective) 709,
avoparcin effects on, feeds additives, cattle 7878.
Lactobacitus bulgaricus, yogurt, fermented milk products, rats 7011.
Feedback Inhibition,
batch culture, growth kinetics, bacteria 5920.
colistin production, Bacilius colistinus 4876.
dextranase biosynthesis, prevention, 2-deoxy-D-glucose, D-glucosamine, Lipomyces
starkeyi 4331. waste treatment, microorganisms 5351.
Feline panleukopenta virus,
antigens, antigenicity, vaccines production 6619.
Fenarimol, Ferbam, sensitivity, ectomycorrhizas, silviculture 7299.
Fermentation, acetic acid, kinetics, methanogenesis, methanogenic bacteria 3002. Acetobacter aceti, vinegar production, sap, Nypa fruticans 6999 acetone butanol, inhibition levels, Clostricitium acetobutylicum 962. adiabatic, heat production, measuring techniques, water baths 5271. agricultural wastes, thermophilic microorganisms, use, cuttivation, Agaricus alcoholic beareages, waster baths 5272.

animal wastes, bacteria methane production, kinetics, mathematical models 9033.

ementation, (continued)
antibiotics production optimization, purification 4041,
antibiotics production optimization, purification 4041,
antibiotidants production, structure, Penicillium janthinellum 4397,
applications, immobilized enzymes methodology, characterization, Saccharomyces
cerevisiae, myceila Aspergillus niger 4408.
association, microorganisms growth, kinetics mathematical models 2530,
association, Saccharomyces cerevisiae + Saccharomyces mellis protoplast fusion 971.
aurofungin, hamycin, tungi, high-pressure liquid chromatography, isolation,
antifungal activity 5800. Fermentation, (continued)
Streptomyces eythraeus 3111.
erythromycin production, lipids monitoring, optimization, Streptomyces erythaeus 6546. 6546.
ethanol, bedreina, monitoring, methodology 994.
ethanol, beer, yeasts 5327.
ethanol, Beta vulgaris juices, Saccharomyces cerevisiae 987
ethanol, Candida wickerhamii, cellobiose, glucose 985.
ethanol, catabolite repression, corn, Saccharomyces cerevisiae 2677.
ethanol, continuous culture, reviews 6117.
ethanol, corn, mannitol, sorbitol, inhibition, Saccharomyces cerevisiae 2678.
ethanol, cross-flow bioreactors, immobilized cells, Saccharomyces cerevisiae bacteria, genetic engineering, proteins, recovery, reviews 7812. bacteria, Hordeum vulgare straw, pretreatment, use, alkalis, cellulase, effects on 1045. on 1045.
bagasse, bacteria single-cell protein production 1734.
Basidiomycetes, straw, fractionation 155.
batch culture, models, kinetics 3631.
beer, antitoam agents effects on bitterness compounds formation, yeasts 3587.
beer, histamine levels 6131.
beer spoilage, bacteria detection 6940.
beer, use, yeasts immobilization 8670.
beer, use, yeasts immobilization 8670.
beer, use, yeasts immobilization 8670.
beer, use, yeasts immobilization 3670.
biomass measurements, cellulose biodegradation, monitoring, computer applications, Sporcytophaga myxcoccocides 6165.
bioreactors, immobilization, biomass support particles, yeasts 4219.
biomactors, measuring techniques errors 175.
bioreactors, structure, methodology 7809.
biotechnology, books 5091.
books 1684. official distilleries, breweries, enzymes 161.
ethanol, distilleries, breweries, enzymes 161.
ethanol, energy requirements reduction 174.
ethanol, flore stimulation, Zymomonas mobilis 2680.
ethanol, growth, enhancement, Pachysolen tannophilus, mutants, association, xylose 6144.
ethanol, immyhilised cells farmentars, mathematical models 156. xylose 6144 ethanol, immobilized cells fermenters, mathematical models 156. ethanol, immobilized cells, Kluyveromyces fragi 2689 ethanol, immobilized cells, Xymomonas mobilis, Saccharomyces cerevisiae, Kluyveromyces fragilis, 166. ethanol, Kluyveromyces fragilis, use, lactose, bioreactors 1869. ethanol levels, sensors, computer applications 3635. ethanol levels, sensors, computer applications 3635. ethanol levels, sensors, saccharomyces cerevisiae 7804. ethanol, measuring techniques, gas chromatography, methodology 7811. ethanol, membranes, bioreactors, Saccharomyces cerevisiae 7804. ethanol monitoring, sensors, Saccharomyces cerevisiae 4419. ethanol monitoring, sensors (Saccharomyces cerevisiae 4391. ethanol production, ammonium stimulation, Saccharomyces cerevisiae 3626. ethanol production, bactera 6937. ethanol production, bioreactors, optimization, mathematical models, Saccharomyces cerevisiae 6138. biotechnology, books 5091.

books 1684
bread production, yeasts 5332.
brewing, biotechnology, genetic engineering, conferences 3390.
brewing, biotechnology, genetic engineering, conferences 3390.
brewing, levels, zinc, copper, yeasts 6128.
brewing, protoplast fusion, Saccharomyces carlsbergensis 2687.
betanol, hydrogenase activity, carbon monoxide inhibition, Clostridium acetoburylicum 8446.
1-butanol production, extraction 5258.
Candida utilis, animal wastes treatment, proteins production 158.
Candida utilis, pigments production, extracts, Beta vulgaris 6069.
carbohydrates, detection, methodology comparison, Haemophillus 3281.
carbohydrates, solvents production, pulp mills, wood, Clostridium 5259.
carbon sources, sulfite liquor, single-cell protein production, Pichia labacensis sp.nov. 6816. cerevisia 6138. central production, nucleacors, uponincation, mathematical models, Sacchardiny cerevisiae 6138. ethanol production, continuous culture, mathematical models 6137. ethanol production, measuring techniques, use, gas chromatography, computer applications 160. ethanol production, measuring techniques, use, use substance and applications 160.

ethanol, production, microorganisms, reviews 6110.

ethanol, production, microorganisms, reviews 6110.

ethanol production, microorganisms, reviews 6140.

ethanol production, optimization, yeasts 8650.

ethanol production, optimization, yeasts 8650.

ethanol production, oscillations, mathematical models, continuous culture, Saccharomycos cerevisiae 6119.

ethanol, production, Saccharomycos cerevisiae, Zymomonas mobilis, genetic andinentino, reviews 6110. carbon sources, sulfite liquor, single-cell protein production, Pichia labacei sp.nov. 6816.

carbon sources, use bagasse hydrolysates, hemicelluloses, carbohydrate composition, amino acid composition, sugars 8677.

casava, single-cell protein production, Phizopus oligosporus 1714.

cellobices, glucose, xylose, mixtures, ethanol production, mixed culture, Clostridium saccharolyticum, Zymomonas anaerobia 8661.

celluloytic enzymes, ethanol, fuels, microorganisms 162.

celluloytic enzymes, fungl 1004.

cellulose, Acetivibrio cellulolyticus 172.

Cellulose, association, nutrient concentrations, batch culture, Clostridium thermocellum 4443. entarion, production, Sachararomyces cerevisiae, cyrnomonas mobilis, genetic engineering, reviews 6112. ethanol, production, South America, reviews 6108. ethanol, production, Zymomonas mobilis 7795. ethanol, Saccharomyces cerevisiae, carbon sources, nitrogen sources, molasses 3907.

Sethanol, Saccharomyces cerevisiae strains, hybrids development 6146. ethanol, Saccharomyces uvarum 3616. ethanol, Saccharomyces uvarum 3616. ethanol, single-cell protein, temperature effects on, Candida tropicalis 4411. ethanol, toxins, growth rate inhibition, yeasts 2679. ethanol, text. Escherichia coli, xylose isomerase, xylulokinase, genes, cloning ethanol, use, Escherichia coli, xylose isomerase, xylulokinase, genes, cloning mermoceilum 444.3; cellulase activity, Trichoderma 3622. cellulose, Cilulase, Cilostridium thermoceilum+Acetogenium kivui mixed culture 8671. cellulose, Athanol, production, methodology, yeasts 7806. cellulose, ethanol, production, pestas, Fusarium, Mucor, reviews 6107. cellulose, production, acetic acid, Clostridium thermoceilum 5969. cellulose, production, ethanol, n-butanol, acetic acid, n-butyric acid, 983 963.
ethanol, wise, grain, vapors phase separation techniques 1875.
ethanol, whisky, models 176.
ethanol, wine, brandy, yeasts, lactic acid bacteria 5279.
ethanol, yeasts 6127. Clostridium 6150 effranci, yeasts 6127.

ethanci, yeasts immobilized cells bioreactors, molasses feeds contamination 6123.

ethanoi, Zymornonas mobilis, Saccharomyces cerevisiae 3614.

fatty acids inhibition, viability, Saccharomyces cerevisiae 3625.

feedback inhibition, anaerobic bacteria 4251.

feeds, microorganisms 5353. Costration 613-0. Gellulose, single-cell protein production, crop residues, cellulolytic microorganisms 3726. Cellulose, yeasts 6955. Chaetomium cellulolyticum, single-cell protein production, reactors, straw, Chaetomium cellulolyticum, single-cell protein production, reactors, straw, Triticum aestivum 1711.
Chaetomium cellulolyticum, Zea mays crop residues, n-butylamine pretreatment 183. characterization, gram-negative bacteria 2685. chickens feces, fungi screening 3586. chitosan production, Absidia coerulea 6889. chitosan production, Absidia coerulea 6889. chitosan production, Candida lipolytica 59813. citria acid production, Candida lipolytica 5981. chitosaccide coerulea 6889. chitosaccide chica coerulea 6889. chitosaccide chica coerulea 6889. chitosaccide chica chic flour, sugars, gas chromatography, Uji, fermented food, lactic acid bacteria 3692.

3692.

flood, bictechnology, books, microorganisms 5941.

fuels production, industrial wastes, paper mills, lignocelluloses hydrolysis,
cellulolytic microorganisms 7781.

fungi, tubers extracts, saponins purification, Ficariar annunculoides 5222.

Fusarium oxysporum, carbon sources 1860.
genetic engineering, conferences, books 4250.
genetic engineering, genet transfer, Clostridium, Bacillus, reviews 3593.
glucose, acetone, glucose effects on, batch culture, Clostridium acetobutylicum 3545 3949.

Glucose, butanol production, Clostndium 5236.

glucose, Escherichia coli, effects on cloacin excretion 2688.

glucose, ethanol extraction, Saccharomyces cerevisiae 5276.

glucose, ethanol production, batch culture, zymomonas mobilis 3602.

glucose, ethanol production, carrageenans immobilized cells, zymomonas mobilis continuous culture, mathematical models, optimization, methodology 7805. continuous culture, mathematical models, optimization, methodology 7805. continuous culture, mathematical models, osciliations, levels, substrates, biomass 5280. continuous culture, Saccharomyces cerevisiae, extraction, ethanol 7808. continuous culture, Saccharomyces cerevisiae, extraction, ethanol 7808. control, effects on organolepic properties, wine 6120. com, ethanol production, Aspergillus awamori, Aspergillus niger 5290. com, ethanol production, espergillus nifects on 151. com, lactic acid bacteria, 6-phytase, phosphorus release 6977. com: whey, production, ethanol, proteins feeds 982. criteria, carbonydrates hydrolysis 3664. crop residues, ethanol production, immobilized cells, Saccharomyces 3641. crop residues, ethanol production, mimobilized cells, Saccharomyces 3641. crop residues, proteatment, production, carbonydrates, ethanol 5307. crop residues, pretreatment, production, carbonydrates, ethanol 5307. crop residues, protection, butanol, acetone, Clostridium acetobutylicum 7832. cucumbers, cabbage, lactic acid bacteria 6330. data analysis, information systems 7796. dissolved oxygen levels, mathematical models 802. dissolved oxygen levels, mathematical models 802. dissolved oxygen levels, mathematical models 802. dissolved oxygen levels, mathematical models 6118. dough, bakery products, mathematical models 618. on, Streptomyces echinomycin derivatives biosynthesis, quinoxaline-carboxylic acid analogs effects on, Streptomyces echinomycis 878. energy resources, industrial wastes, processing, citrus 6102. enzymes comparison, Alcaligenes, Nocardia opaca, Xanthobacter autotrophicus 150. erythromycin A, erythromycin B, high-performance liquid chromatography, 6020 conferences 3393. 5300. glucose, 7815. e, ethanol production, factors affecting, Saccharomyces carlsbergensis glucose, ethanol production, fermenters, immobilized cells, Saccharomyces cerevisiae 3606. curevisiae x806.
glucose, ethanol production, Saccharomyces cerevisiae 8655,
glucose, glycerol, production, Pichia farinosa 3609.
glucose, sociorio acid production, Candida ravautii 5961.
glucose, methanogenesis, Michaelis-Menten parameters, methanogenic bacteria 8266.
glucose, production, acetone, butch, batch culture, Clostridium acetobutylicum
4383. 4353. glucose, products, pH, effects on, Bacillus macerans 2690. glucose, sensors 3531. glucose, 1-butanol production, Clostridium cochlearium, Clostridium tetanomorphum 8648 glucose, 2,3-butanediol production, Bacillus polymxya 7782.

135

glucuse, 2,30ualmon production, valentia polymyta 1752. glycerol production, yeasts 7770. growth conditions, bacteria, fungi 852. growth, glucose metabolism, mathematical models, Saccharomyces cerevisiae 6121. Helianthus tuberosus, ethanol production, immobilized cells, Kluyveromyces

markarius 5940.
Helianthis tuberosus tubers, ethanol production, Saccharomyces cerevisiae, Kluyveromyces tragilis 5297.
hemicellulose, celluliase activity, Trichoderma 3622.
hemicelluloses, energy resources, Bacteroides 6156.
hemicelluloses, ethanol production, Thermoanaerobacter ethanolicus 5284.

marxianus 3640.

Fernentation, (continued)
hemicolluloses, 2,3-butanediol production, Bacillus polymyxa 5223.
high-gravity wort, nutrient requirements, ethanol production, Saccharomyces
uvarum 8667
hydrocarbons, carbon sources, single-cell protein production, reviews 8288.
immobilized cells use, yeasts, conversion, xylose, cellulose, books 2539.
industrial applications, fungi, yeasts 9168.
industrial wastes, soil amendment, soil centerogranisms 8258.
industrial wastes, soil amendment, soil centerogranisms status. Heliamthus tube Fermentation, (continued) ermentation, (continued)
Penicillium caseicolum, soybean milk curd, bromelain coagulants 7852.
Penicillium digitatum, ethylene production, use, Citrus wastes 973.
Petroleum, single-cell protein production, yeasts 5960.
Phanerochaete chrysosporium+Candida utilis, mixed culture, single-cell protein production, fermentation, straw, Triticum aestivum 1710.
Phanerochaete chrysosporium+Candida utilis, mixed culture, single-cell protein production. Triticum aestivum 1710.
Phoenix dactylifera wine, yeasts, lactic acid bacteria, acetic acid bacteria 5288 ethanol production, Kluyveromyces marxianus, stalks, Helianthus tuberosus 5298 inulinase production, optimization, Aspergillus niger 5179. kinetics, methane production, digestion (anaerobic), bioreactors 4404. laboratories, mathematical models correction 2676. lactica acid bacteria, inoculation, silage, Zea mays 7876. lactic acid, immobilized cells, Lactobacillus delbrueckii, Lactobacillus bulgaricus 8. hysiology, factor affecting, ethanol tolerance, Clostridium thermohydrosulfuricum 6135. pollutants, anaerobic conditions, soil 5670. processes, books 3376. processes, usons 30'76.

processes, computer applications, microorganisms 2551.

production, butanol, ethanol, continuous culture, Clostridium thermosaccharolyticum 35'78.

production, ethanol, acetic acid, acetoin, 2,3-butylene glycol, lactic acid bacteria 52'40. 2530.

Lactobacillus cellobiosus, Phaseolus vulgaris beans, mannitol biodegradation, Lactobacillus plantarum 7003.

Lactobacillus plantarum 7003.

Lactose, ethanol, bioreactors, Kluyveromyces fragilis 3590.

lactose, ethanol production, Kluyveromyces fragilis 5289.

Lactose, plansinds curing, identification, media (culture), temperature effects on Streptococcus lactis 7864.

Lactose, Streptococcus lactis characterization 1873.

Laucaena leucocephala, molasses effects on 3724.

lignocelluloses, biomass measuring techniques, nitrogen-15, mass spectroscopy, Chaetomium cellulolyticum 5310.

lignocelluloses, crop residues, ethanol production, Saccharomyces cerevisiae 5292. sacid, microorganisms growth association, kinetics mathematical models 30. bacteria 5240.
production, glutamic acid, ethanol, optimization, mathematical models, Saccharomyces cerevisiae, Brevibacterium divaricatum 5964.
production, single-cell protein, yeasts, methodology 7880.
products, purification, affinity chromatography, reviews, biotechnology 5227.
proteinase, isolation, Rhizopus rhizopodiformis 4299.
rates, organic acids production, supports effects on, Kluyvera noncitrophila 5301. reviews, books 5093.

Rhizopus oligosporus, soybeans meals, characterization 7016.

role, Botrytis cinerea esterase activity 4410.

role flocculation activity, spheroplasts membrane fusion, Saccharomyces distaticus, Saccharomyces cerevisiae 8637.

rumen microorganisms continuous culture, flujuids dilution rates, pH 5295.

Saccharomyces cerevisiae, ammonium, enhancement, characterization 7810.

Saccharomyces cerevisiae, hydrolysis, Pjrus radiata, wood, inhibitors 7807.

Saccharomyces cerevisiae, pesticide residues biodegradation association 990.

Saccharomyces cerevisiae, posticide residues biodegradation association 990.

Saccharomyces cerevisiae strains, homozygotes, cytoplasmic inheritance, flocculation 5268. reviews, books 5093 5292. Iignocelluloses, ethanol production, cellulase+hydrogen peroxide 5303. Iignocelluloses, ethanol, production, Clostridium thermocellum, Clostridium thermocellum, Clostridium thermocellum, Clostridium thermocylorosulphunicum 4418. Iignocelluloses, production, ethanol, Candida acidothermophilum 3617. Iignocelluloses, whey, single-cell protein production, conferences 2544. Iignocelluloses, whey considered production, structure acetivum 1867. Iiniting factors, glucose, lactose, dairy starters, Streptococcus lactis 6994. Iipids, carbon sources, aeration, salinomycin production, Streptomyces albus 4674. Saccharomyces italicus, gases liquids phase transition, spectrometry fermenters 134. Saccharomyces uvarum, immobilized cells, ethanol production, juices, Sorghum bicolor 8658. mash, microorganisms enzymes, breweries 163.
mathematical models, biomass, age distribution 6129.
mathematical models, statistical analysis 6141.
meals corn, vitamins levels, lactic acid bacteria 5356.
meals, soybeans+corn, effects on amino acid composition, lactic acid bacteria Saccharomyces uvarum, immonized ceis, enandi producion, juices, Sorginum biccioir 8688.

Saccharomycesis fibuligera, Candida utilis, potatioes food processing waste water, biomass 170 per seidues, continuous culture, Candida dutilis potatioes food processing waste water, biomass 170 per seidues, continuous culture, Candida dutilis potatioes food processing waste water, biomass 170 per seidues, continuous culture, Candida dutilis procession, procession food production, acultis procession, production, services se meals, soybeans+com, effects on nutritive value, minerals, lactic acid bacteria 5355.
measuring techniques, gas chromatography, levels, ethanol, butanol, acetone, Saccharomyces cerevisiae 3581.
media, Bacillus thuringiensis, sporulation, toxins biosynthesis 6070.
media (culture), biochemical analysis, monitoring, automated methods 6142.
Medicago sativa, juices proteins, lactic acid bacteria 3722.
Medicago sativa, lactic acid bacteria effects on 3723.
methanol addition, computer applications monitoring, batch culture, Pseudomonas 8633.
methanol, batch culture, Methylomonas methanolovorans 121.
methodology, ethanol, production, Zymomonas mobilis, reviews 6109.
methodology, Penicillium nigricans, mycotoxins biosynthesis 7043.
microorganisms, industrial strains, mutagenesis, screening, yield 1837.
microorganisms strains improvements, genetic engineering, reviews 6124.
milk, biosynthesis, fatty acids, lipids, dairy starters 7865.
milk, continuous culture, dairy starters, yogurt production, lactic acid bacteria
6997.
milk, Straitpropora testis. silage production, industrial wastes, fishery products, lactic acid bacteria 2753.

silage, water content, time effects on, acid production, Medicago 2745.

silage, water content, time effects on, acid production, Medicago 2745.

single-cell protein production, optimization, cost-benefit analysis, bioreactors, Hansenula polymorpha, Methylomonas 5963.

single-cell protein production, optimization, monitoring, computer applications, Saccharomyces cerevisiae 5967.

single-cell protein production, Sporotrichum pulverulentum, Trichoderma viride, industrial wastes, oilseed crops, Olea eurapea 5114.

solid wastes, enzymatic activity measurements 545.

Sorghum juices, ethanol production, Yeasts 5302.

starch residues, food industry, single-cell protein production, Aspergillus, Rhizopus, Penicillium 1713.

starch, Schwanniomyces castellii, factors affecting 197.

starch, single-cell protein, Schwaniomyces castelli 1721.

straw, yeasts biomass production 8526.

Streptomyces albus, acetic acid steroids 6049.

sucrose, ethanol production, monitoring, computer applications, immobilized cells, Saccharomyces cerevisiae 6149.

sucrose, Streptococcus lactis plasmid pSN conjugation, nisin biosynthesis 3146.

sucrose, Streptococcus lactis plasmid pSN conjugation, nisin biosynthesis 3146.

sucrose, Syromonas, ethanol production, reactors 153.

sugars beets, single-cell protein production, Trichoderma album 1716.

sugar, lignocelluloses hydrolysis, celluloytic enzymes, cost-benefit analysis, Trichoderma resesi 5299.

sugars, ethanol production, immobilized cells. Saccharomyces cerevisiae 6154. milk, Oblohrmous culture, dary starters, yogurt production, lactic acid bacteria 6987.

milk, Stephococcus lactis, lactose, genes, role 2739.

mixed culture, lactic acid bacteria+ yeasts, vegetables 7871.

molasses, citric acid production, immobilized cells, Saccharomyces formosensis 168.

molasses, ethanol production, immobilized cells, Saccharomyces tormosensis 168.

molasses, ethanol production, immobilized cells, Saccharomyces cerevisiae 6699.

molasses, ethanol production, Saccharomyces cerevisiae, immobilized cells formolasses, ethanol production, Saccharomyces cerevisiae 6699.

molasses, ethanol production, Saccharomyces cerevisiae, immobilized cells formolasses, ethanol production, Saccharomyces cerevisiae 6699.

molasses, ethanol production, Saccharomyces cerevisiae, immobilized cells formolateria, and the saccharomyces cerevisiae 6699.

molasses, ethanol production, Saccharomyces cerevisiae, immobilized cells formolateria, and the saccharomyces cerevisiae 6145.

monitoring, computer applications of 145.

monitoring, flow cytometry, poly-8-hydroxybutyrate intracellular levels,

Alcaligenes eutrophus 9285.

monitoring, mathematical models, computer applications 6115.

monitoring, mathematical models, computer applications 6115.

monitoring, mathematical models, growth, proteins distribution, flow cytometry,

Saccharomyces cerevisiae 6126.

monitoring, mathematical models, growth, proteins distribution, flow cytometry,

Saccharomyces acidodevorative dissolved oxygen 6114.

musts, velaties production, activators effects on, Botrytis cinerea 3608.

musts, wine, temperature effects on, organoleptic evaluation,

Schizosaccharomyces acidodevorative 5933.

musts, wine, temperature effects on, organoleptic propertes 1871.

Nocardia corallina, 19-noraeroids intermediates, sterols, Glycine max 1823.

nucleotides, managenes, deficiency, effects on, Brevibacterium ammoniagenes,

Micrococcus ludeus, DNA biosynthesis, precursors 951.

organoleptic evaluation, beer, fermenters, yeasts 6930.

potal mycrobystes, ethanol sugars, entanol, cellulose nyloroyisis, cellulolytic enzymes, cost-benefit analysis, Trichoderma reesei 5299, 
sugars, ethanol production, cost-benefit analysis, tubers, Beta vulgaris 8656. 
sugars, ethanol production, immobilized cells, Saccharomyces cerevisiae 6130. 
sugars, actic acid bacteria identification methodology 4198. 
sugars, lactic acid Lactobacillus cellobiosus, beans, juices, Gylcine max 6980. 
sugars, starch, amyfolytic enzymes pretreatment, ethanol production, Zymomona 
mobilis 8663. 
sugars, Streptococcus lactis, hydrogen peroxide bioaccumulation 2686. 
sugars, Streptococcus lactis, hydrogen peroxide bioaccumulation 2686. 
sugars, wood hydrolysis, sugars, enzymes, ethanol production 7814. 
sulfits liquor, single-cell protein production, Pekilo process, monitoring, 
Paecilomyces varioti 598. 
lepache, Pichia membranaefacims, Saccharomyces cerevisiae 1898. 
termodynamics, calorimetry, monitoring, continuous culture, Saccharomyces 
cerevisiae, Escherichia coli 6080. 
termodynamics, mathematical models, Clostridium 3549.

peat hydrolysates, ethanol production, yeasts 6930.
penicillin, fermenters, dissolved oxygen, aeration, immobilized cells,
Penicillium chrysogenum 7435.
penicillin, Penicillium chrysogenum, automated methods, monitoring, fermenters
4833. betreviolae, Escherichia Cui doude hermodynamics, mathematical models, Clostridium 3549, ubiquinone production, ammonium stimulation, Agrobacterium 7681, use crop residues, celiulolytic enzymes, pectinolytic enzymes, microorganisms 213. penicillin, Penicillium chrysogenum, fermenters 4832. penicillin production, Penicillium 7434. penicillin V precursors detection, electrochemistry 1396. use, microorganisms, products biosynthesis, books 5096.

gases levels, measuring techniques 4403. glucose, fermentation, ethanol production, immobilized cells, Saccharomyces

glucose, fermentation, ethanol production, immobilized cells, Saccharomyces cerevisiae 3606.
immobilized cells, biomass production 3402.
immobilized cells, ethanol fermentation, mathematical models 156.
L-lysine, assays, use, immobilized enzymes electrodes, Trichoderma viride lysine 2-monoxygenase 38.
media (culture), dissolved oxygen, mass spectroscopy 5873.
methane production, digestion (anaerobic) 420.
mixed culture, propionic acid biodegradation, methanogenesis 6398.
monitoring, automated methods, penicillin fermentation, Peniclilium chrysogenum 4833.

4833

ementation, (continued)
vegetables, dialysis, continuous culture, lactic acid bacteria 2740.
wastewater treatment, industrial effluents, potatoes, food industry 2350,
whey, oyanocobalamin, production, Propionibacterium, Propionibacterium shermanii
145. Fermenters, (continued)
ethanol production, growth conditions, feedback inhibition, Candida utilis 3629.
fermentation, beer, organoleptic evaluation, yeasts 6932.
i films formation, pure culture, mixed culture, mathematical models, microorganisms whey, ethanol, Kluyveromyces fragilis, immobilized cells 2684, whey, ethanol production, continuous culture, Kluyveromyces fragilis 3604, whey, gibberellic acid biosynthesis, Fusarium moniliforme, mathematical models 5970. whey, lactose, ethanol production, catabolite repression resistance mutants. Saccharomyces cerevisiae 8668. whey, lactose, ethanol production, catabolite repression resistance mutants, Saccharomyoes cerevisiae 8668. 
whey, lactose, ethanol production, immobilized cells, Kluyveromyoes marxianus, Saccharomyoes cerevisiae 1864. 
whey permeate, Kluyveromyoes marxianus, ethanol production 8669, whey, production, butanol, acetone, Clostridium acetobutylicum 3546. 
whey single-cell protein, amino acid composition, yeasts 1722. 
whey, single-cell protein production, Kluyveromyoes fragilis 1723. 
whey, single-cell protein production, Kluyveromyoes fragilis 1723. 
whey, single-cell protein production, yeasts 1717. 
whey, single-cell protein production, yeasts 1717. 
whey, single-cell protein production, yeasts 1717. 
whey, single-cell protein production, klussiella pneumoniae, Enterobacter aerogenes 2643. 
wine, acotic acid bacteria succession 6134. 
wine, grapes post-harvest decay effects on, fungl 6939. 
wine, Lactobacillus delibrueckii, malic acid, genes, cloning, Escherichia coli, Saccharomyoes cerevisiae, malic acid, genes, cloning, Escherichia coli, Saccharomyoes cerevisiae, nontarget organisms, toxicity herbicides, insecticides, fungicides 2082. 
wine, Saccharomyoes elipsoideus, relationship, Vitis vinifera content, carbon, hydrogen nitronen 7732. insecticides, fungicides 2082.
wine, Saccharomyces elipisodieus, relationship, Vitis vinifera content, carbon, hydrogen, nitrogen 7793.
wood hydroysates, hydrogen fluoride pretreatment, ethanol production, Zymomonas mobilis, Clostridium saccharolyticum 5270.
wort, acetic acid esters production, Saccharomyces uvarum 4420.
wort, acetiyl-CoA levels, acetic acid esters production, Saccharomyces cerevisiae 4416. carlsbergensis 5287. www.rt, phenyl carbonic acids production, temperature effects on, flavor, beer 2682. wort, ethanol production, α-D-glucosidase activity, Saccharomyces vott. Saccharomyces cerevisiae, mezcal 1862.

xylose, Candida utilia, anaerobic conditions, effects on ethanol production 991.

xylose, ethanol production, fungi, Fusarium oxysporum 9344.

xylose, ethanol production, Pachysolen tannophilus 171.

yylose, ethanol production, Pachysolen tannophilus 3596.

xylose, ethanol production, Pachysolen tannophilus 5281.

yylose, ethanol production, Pachysolen tannophilus 5281. xylose, ethanol production, Pachysolen tannophilus comparison Pichia stipitis 6136.

xylose, ethanol production, Pachysolen tannophilus, trifluoroacetic acid hydrolysis, hemicelluloses, straw, Trifluoria aestivum 8657.

xylose, ethanol production, Schizosaccharomyces pombe 5294.

xylose, ethanol production, yeasts 5285.

D-xylose, hemicelluloses hydrolysates, ethanol production, yeasts 6935.

D-xylose, hemicelluloses hydrolysates, ethanol production, yeasts 6935.

D-xylose, hemicelluloses hydrolysates, ethanol production, yeasts 6935.

D-xylose, hemicelluloses hydrolysates, ethanology, reviews 7803.

yeasts, suels, production, biotechnology, methodology, reviews 7803.

yeasts, suelpic-cell protein, reviews 2752.

Zymomonas mobilis, extracellular levels, ethanol, carbon dioxide, effects on 149.

schmented food, books 5941.

cassava, organoleptic evaluation, retting, lactic acid bacteria, Corynebacterium, books 5941.
cassava, organoleptic evaluation, retting, lactic acid bacteria, Corynebacterium,
Bacillus 3698.
olives, microorganisms 5331.
Pediococcus 6189.
pickles, spoilage, cellulase, fungi, calcium chloride 8699.
production, books 4240.
production, books 4240.
production, polosis 4240.
production, role, lactic acid bacteria, reviews 211.
reviews, microorganisms 5325.
sausages, phage B2 infection, starter cultures, Lactobacillus plantarum 5334.
sausages, phage fir infection, starter cultures, Lactobacillus plantarum 5333.
Uji, flour fermentation, sugars, gas chromatography, lactic acid bacteria 3692.
\*\*rmented milk products, Egypt. reviews 4461.
Egypt. reviews 4461.
lactic acid bacteria 4447.
lactic acid bacteria 447.
lactic acid bacteria 447.
lactic acid bacteria 447.
microorganisms 5329.
quarg, production, factic acid bacteria starter cultures, organoleptic properties 1054.
\*\*Therenters.\*\* 1054.
rmenters,
aeration 8509.
aeration, atmospheric pressure, continuous culture, Candida utilis 5924.
agitation equipment, liquid culture, media (culture) 5874.
air filtration, removal, spores, Bacillus subtilis 8504.
antibiotics production, continuous culture, oils sterilization 9154.

asminitation, refinos, spories, paciniais subminis 2004.

asepsis 3667.

biotyping, methanogenic bacteria 7305.

Candida utilis, growth conditions regulation 1679.

carbon dioxide utilization, methanol production 3558.

cassava roots, Aspergillus furnigatus, single-ceil protein production 1709.

characterization, reviews 5576.

Clostricifium tetani toxins production, association vaccines 2321.

cooling systems leakage, contamination 8507.

digestion (aerobic), animal wastes, oxygenation 4108.

dissolved oxygen, aeration, penicillin fermentation, immobilized cells, Penicillium chrysogenum 7435.

dissolved oxygen, electrodes 5877.

efficacy, foaming 8511.

ejector-loop fermenter, Kluyveromyces fragilis use, characterization 1867.

environmental factors, reviews 995.

erhanol, production, purification, Saccharomyces cerevisiae 5277.

ethanol levels, gas chromatography 4413.

ethanol, production, continuous culture, Saccharomyces cerevisiae 981.

483.3
mycolia sampling 9332.
oxygen content, temperature distribution 2674.
oxygenation, microorganisms 3230.
parameters, oleandomycin biosynthesis 6545.
penicillin fermentation, Penicillium chrysogenum 4832.
penicillin production 4044.
Penicillium mycelia growth, microbads, penicillin production 2270.
phages production, cloning vectors preparation, Rhizobium meliloti 4997.
production, aritumor antibiotics, DNA tumor viruses, aerosols filtration, reduction, risks, occupational exposure 8624.
recovery, microorganisms, methodology, reviews 7655.
Saccharum officinale stillage digestion (anaerobic), mechanisms 1861.
spectrometry, Saccharomyces italicus fermentation, gases liquids phase transition 154. spores production, Colletotrichum gloeosporioides, weed control, biological control, Aeschynomene virginica 3895 sterility, air filters 8506. sterility, air, gases, membrane filtration 8505.
sterility, filtration, conferences 9348.
Streptomyces tetracycline biosynthesis, carbon dioxide pressure effects on 2281.
viruses vaccines production, fermenters chick embryos cells growth 4077. Fermosin, yeasts single-cell protein, toxicity, ducks feeds 5354. Ferredoxin, +hydrogenase+chloroplasts, immobilization, production, hydrogen, oxygen 5161. miliple forms, E.S.R., C.D., Desulfovibrio africanus 3407. Ferric chloride, Ferric chloride, floculation, poliovirus 1 recovery, beef extracts 4990.

Ferric oxide, reduction, Corynebacterium, soil 8260. reduction, methodology, assays, Corynebacterium ferrireductans 7606. Ferric tartrate, + sodium hydroxide, pretreatment, lignocelluloses, hydrolysis, cellulase, Trichoderma reesei 8536. Trichoderma reesei 8536.

Ferricrocin,
proricrocin, purification, characterization, Aspergillus versicolor 8521.

Ferricrytochrome c550,
N.M.R., Paracoccus denitrificans 7701.

Ferrocytochrome c550,
N.M.R., Paracoccus denitrificans 7701.

Ferrous sulfate,
proricin, vidation, Thiobacillus ferrooxidans, kinetics, chemostats 3000.

Fertilization,
effects on bacteria, soli, catchment areas, surface water, forests 2106. effects on bacteria, soil, catchment areas, surface water, forests 2106. effects on carbon dioxide production, soil microorganisms 2179. + Glomus fasciculatus, vesicular-arbuscular mycorrhizas inoculation, effects on gro Pinus sylvestris, effects on disease resistance, Heterobasidion annosum 8169 Fertilizer applications, ammonium sulfate, organic matter accumulation, soil microorganisms activity, soil structure, pasture 5640. ± Azospirillum inoculation, nitrogen fixation, effects on yield, Oryza sativa +composts, inhilation vesicular-arbuscular mycorrhizas, yield, Zea mays 3948. disease control, tridemorph, benodanil, powdery mildew, brown rust, Hordeum vulgare 2900. vulgare 2900. effects on Cylindrocladium crotalariae, black rot, Arachis hypogaea 8772. effects on Pinus sylvestris roots Armillaria mellea infection 2923. effects on Plitzobhum inoculation, nodulation, Vigna unguiculatia 2983. effects on rhizosphere microorganisms, dehydrogenase activity, iron reduction, redox potential, Oryza sativa 7297. inhibition ectomycorrhizas, population levels, roots colonization, Picea sticheniss 5552. especial property in production (1988). stichensis 5552.
mineralization, nitrogen, forests, Pinus radiata 5541.
nitrate, ammonium, stimulation phosphate, nutrient uptake, ectomycorrhizas,
Pseudotsuga menziesi 5574.
nitrogen, effects on, mycorrhizas, Tsuga heterophylla, development 5675.
nitrogen, effects on, mycorrhizas, Tsuga heterophylla, development 5675.
nitrogen, effects on soil nitrifying bacteria nitrous oxide
proclustrian 7983. pnospnate, calcium carbonate, effects on soil nitrifying bacteria nitrous oxide production 7283.
phosphate, efficiency, Pseudomonas striata seed treatments, Lens culinaris 4620.
Phytophthora infestans infection, leaves susceptibility, Solanum tuberosum 2812. sewage sludge, Brassica caulorapa quality, nitrogen cycle 2997.
solid wastes, composts, soil amendment, Switzerland 8392.
urrea, urease hydrolysis, ammonium production, soil microorganisms 6383.
urease inhibitors, ammonia volatilization 1285. urease innicinces, ammonia volunizadion i 200.
Fortilizers,
Azolia prinata, Oryza sativa nitrogen cycle 3963.
Azolia prinata, Oryza sativa nitrogen cycle 3964.
+ Azolobacter chroococcum, Azosphillum brasilense, nitrogen fixation, incoclation, yield, Triticum durum 72/7.
effects on, nitrogen fixation, denintrication, soils (podzolic) 8232.
effects on Pisolithus fixoriorius, ectomycombizas colonization, mines, soil,

Fertilizers, (contin

ertilizers, (continued) pedunculatus 2160. phosphate, Glomus mosseae vesicular-arbuscular mycorrhizas interaction, effects on Medicago sativa 3946 on medicago sativa 3348, requirements, Glorus manihotis inoculation, yield, Manihoti esculenta 2934. urea, sulfur coatings, savannahs soil, pH, nitrogen levels 8256. Fertilizers (alow release), urea granules, sulfur coatings, nitrification 8231.

real gratues, sunir coaings, institution of the provided of th

1227
Acremonium coenophialum infection, transmission (seed) 8790.
biight, Rhizoctonia, disease control, fungicides 8172.
Epichioe typhina infection, fungicides use treatment 8119.
Epichioe byphina infection, incidence, disease transmission, USA, Kentucky 7979.
Epichioe byphina sampling methodology, enzyme-linked immunosorbent assay use 796.
Fusarium tricinctum isolation, T-2 toxin biosynthesis 7059.
Inheritance disease resistance, Drechslera sorokiniana infection 6290.
pathogencity, Rhizoctonia zeae, USA, North Carolina 3802.

Petuses,
pigs, pregnancy, vomitoxin feeds contamination effects on 2746.

2 lever,
Coxiella burnetii, immunodiagnosis, immunoglobulin G, enzyme-linked immunosorbent assay, man 2496.

Fiberoptics,
bronchoscopes, Mycobacterium tuberculosis contamination, disinfection 3221

Fibers. coconu 1031 nuts, Basidiomycetes biodegradation, Ascomycetes, Deuteromycetes, effects on

retting, Aspergillus niger, Cocos nucifera 7792.

Fibrinogen, agar media, Staphylococcus aureus enumeration methodology, food contamination 6183.

Fibrinolysis, enzymes, production, Cochliobolus lunatus 3465. role, extracellular proteinase, biosynthesis, U.V. radiation induction Streptomyces spheroides mutants 6583.

Fibroblasts,

cell culture, attenuation, hepatitis A virus, live vaccines, immunity, animal models 6646.

cell culture comparison, kidney cells, herpes simplex virus isolation 4981. cell culture, hepatilis A virus attenuation, vaccination, immunity, monkeys 4074. cell culture, + immunoperoxidase test staining, herpes simplex virus detection

herpes simplexvirus detection methodology 4988. monolayers, viruses isolation enhancement 4982. retrovirus infection, leupeptin inhibition 469.

Tetrovirus intecent, eupepin initiation 49s.

Fibronectin,
Staphylococcus aureus interactions, antitibiotics effects on 495.

Staphylococcus interactions, leukocytes (polymorphonuclear) phagocytosis, clindamycin effects on 514.

Floating interests of the Floating interest of

Cylindrocarpon, disease culturi, burning, in Flous cartica, disease resistance, host-pathogen interactions, phytopathogenic fungi 2869.

Filamentous microorganisms, activated sludge bulking 7495.

fungi, antibiotic sensitivity testing, agar dilution test 5763.

sewage sludge bulking, activated sludge 2343.

air conditioning, water, bacteria, industries 5849

air conditioning, water, bacteria, inclustries 5849, bacteria, organic compounds pollution blodegradation, ground water 8690, bacteria, removal, surfaces, glycol-bis(3-aminoethyl ether)-N, N-tetraacetic acid effects on 417. bioreactors, nitrification, wastewater treatment 4118. formation, microorganisms, bioreactors, kinetics 3205. formation, Pseudomonas fluorescens fouling organisms, aluminum reactors, liquids 2382.

2382.

formation, Pseudomonas putida continuous culture, environmental effects 669. formation, pure culture, mixed culture, mathematical models, fermenters, microorganisms 9270. methanogenesis, ultrastructure, anaerobic conditions reactors 6397. microorganisms, tubes plastics, drinking water 4948. oxygen permeability, vacuum packaging, spoilage, mutton 5362. pH, denlitrification, rotating discs, wastewater treatment 2356. polyviny chloride, biodeterioration, fungi 1032. polyviny chloride, mathematical models, wastewater treatment, microorganism 1461. ater treatment, microorganisms

Filobasidium, amylolytic enzymes production 8546. Filter feeders, accumulation, bacteria, indicator species, public health, Gryphaea gasar 3217.

Filter paper, adsorption, Escherichia coli enterotoxins, hemolysis assays 4485, ammonifying bacteria detection methodology, disinfection efficacy blodegradation, Gramineae root rot fungi 1001. disinfection efficacy 7542.

air, sterility, fermenters 8506

aur, sterniny, rementers 8506.
anaerobic conditions, wastewater treatment, removal kinetics, fecal coliforms, phages 1474.
anaerobic microorganisms, wastewater treatment, coal 5843.
analysis, Campylobacter fetus subsp.jejuni recovery, water-borne diseases 563.
biotechnology, cell culture, Trichoderma reesei, recovery 7635.
carbon (activated), wastewater treatment, microorganisms, organic matter decomposition 2349.

comparison, concentration, viruses, waste water, methodology 4952. microorganisms, acardion, carbon (activated), waste treatment 6693. microorganisms growth, use, gases waste treatment, organic compounds removal

Filters, (continued) 3188.

3188.

Neurospora crassa colonies, hybridization methodology 2534.

nitriying bacteria, sea water nitrification, aquaculture 1668.

noise, computer applications, batch culture, ethanol production, computer applications, yeasts 3630.

percolation, Subbaromyces splendens, role, sewage treatment 1460.

air, removal, Bacillus subtilis spores, fermenters 8504, bacteremia detection methodology.

air, removal, Bacillus subtilis spores, fermenters 8504, bacteremia detection methodology, man 2458, cell aggregation, use biomass harvesting, Lactobacillus acidophilus 6802, membranes, industrial water systems, enzymes cleaning, microorganisms 57, methodology, methylamine uptake measurement, Azotobacter vinelandii 4195, methodology, viruses concentration, water 9283, peat, wastewater treatment, identification, fungi 7494, removal yeasts, bacteria, cheese brines 192, sand, methodology, revirus removal, inactivation, drinking water 9253, sterility, fermenters, conferences 9348. Fingerprinting, DNA, methodology, herpes simplex virus identification 8458. Finland.

Intand. ceological distribution, Boletaceae, ectomycorrhizas, Pinus sylvestris, Betula pubescens 2100. plant viruses, Ribes 6268. soil, peat, acetylene reduction, nitrogen fixation, ethylene release 4651. Soianum tuberosum, incidence, Fusarium, plant diseases 7171.

Solanum tuberosum, incidence, rusanum, piana solanum tuberosum, incidence, rusanum, piana solanum, fire bilght, Erwinia amylovora, Pyrus communis, conferences 5947.
Erwinia amylovora, Pyrus communis, disease transmission, vectors, Apis 5442.
Erwinia amylovora, Pyrus communis, epidemiology 5444.
Erwinia amylovora, Pyrus communis, epidemiology, detection 5462.
Erwinia amylovora, Pyrus communis, legislation, disease control 5463.

Erwinia amylovora, disease resistance, plant breeding, cultivars, Pyrus communis BORS

host plants, symptoms, disease control, reviews 7166.

Fires, forests, burning, effects on soil microorganisms 7221.

forests, burning, emects on soil microorganisms 7221.

Flahery products,
feeds, radiation disinfection, bacteria 5359
food processing brines, single-cell protein production, Candida utilis 6812.
industrial wastes, silage production, fermentation, lactic acid bacteria 2753.
microorganisms contamination, temperature effects on 7002.
vacuum packaging, chloretracycline, +potassium sorbate, +tetrasodium
ethylenediaminetetraacetate, preservation 7885.

Fishponds, actinomycetes, odor compounds, absorption, off flavor, Ictalurus punctatus 3211.

Flacherie virus, detection, latex agglutination, Bombyx mori 4161.

Flagellin, Pseudomonas, isolation, characterization 11. Planmullna velutipes, fruit bodies production, inoculation, wood 7846. phosphoric diester hydrolases, purification 5979.

Flavariones,
Erythrina sigmoidea, antibacterial agents, isolation, new records 1328.
Flavobacterlum,
biodegradation, 2-thiophenecarboxylio acid, reviews 7825.
biosynthesis, phenylalanine, tyrosine 1701.
dextranase, intellects, relationship substrates molecular weight 8574.
dextranase, purification, characterization 2615.
heparin lyase, immobilization, use, heparin removal blood 6865.
interference membrane filtration, coliforms, dinking water 2391.
monosodium methanearsonate, metabolism, conversion 1284.
oil dispersants biodegradation, sea water 1876.
proteolytic enzymes, dairy products isolates 1057.
rhizoplane microorganisms, phosphorus, nitrogen, effects on, association
Gramineae 6334.
soil microorganisms, role, cellulose mineralization 4631.

Gramineae 6334 soll microorganisms, role, cellulose mineralization 4631. Soll microorganisms, role, cellulose mineralization 4631. Flavobacterium aminogenea, amino acids biceynthesis 4349. Flavobacterium arboreacens, xylose isomerase, purification, characterization 6850. Flavobacterium farinofermentans, flavotoxin A, purification, characterization 8757. Flavobacterium meningosepticum, prolyl endopeptidase, substrate specificity 16. Flavodoxin, active centers, redw. potential. Microorganisms active centers.

Isrodoxin, active centers, redox potential, N.M.R., Megasphaera elsdenii 7665. apoproteins, purification methodology, Azotobacter vinelandii 5913. purification, characterization, adsorption use, chromatography, Azotobacter vinelandii 4260. viologen reduction, pulse radiolysis, Megasphaera elsdenii 858.

viologen reducatin, putar viologen fractional, para viologen reducation, para viologen fractional para filazone, antibiotic sensitivity testing, Escherichia coli, Pseudomonas aeruginosa 9215. residues, foces, inhibition methanogenesis, digestion (anaerobic) 8396. Flavonolds, Salvia palaestina, antibacterial activity, bacteria 4008.

Flavor, beer, fermentation, wort addition, yeasts 2691. beer, fermentation, wort addition, yeasts 2691. beer, yeasts effects on 2663. meat, food contamination, Cryptococcus laurentii var.laurentii, association meat, food contamination, Cryptococcus laurentii var.laurentii, association freezing 3702.
phenyl carbonic acids, production, temperature effects on, wort fermentation,

beer 2682

awor compounds,
2.3-butanedione, acetoin, production, dairy industry, immobilized cells,
Streptococcus lactis subsp. diacetylactis 6992.
2.betuanedione, 2,3-pentanedione, biosynthesis, lsoleucine-valine operon,
cloning, gene regulation, Saccharomyces cerevisiae 7797.
production, dry meat products, role microorganisms 3700.
production, enzymes, microorganisms 200.
Saccharomyces cerevisiae sulfur volatiles, simulated beef, chemical composition,
Saccharomyces crevisiae 1046.
Sapobean milk, genetic engineering, nitrosoguanidine, mutagenesis, Lactobacillus
casei subsp. alactosus 3701.

casel subsp. alactosus 3701.

\*\*avorings,
antimicrobial activity 9143.

cream, Streptococcus lactis, dairy starters, milk, buffaloes 2736.

cream, Streptococcus lactis, dairy starters, milk, buffaloes 2736.

avosequinone,
formation, U.V. radiation photoreduction, Alcaligenes, choline oxidase 891.

avotoxin A,
purification, characterization, Flavobacterium farinofermentans 8757.

artibuctus;
antibiotic SQ 28,332, taxonomy, fermentation, structure, antibacterial activity

artibuctus.

1448. ambibiotic SQ 28,502, antibiotic SQ 28,503, taxonomy, fermentation, biological properties 1450. occulation, activated sludge, characterization, bacteria 4119. activated sludge, extracellular polymers extraction methodology, correlation 1462.

1482 activity, role fermentation, spheroplasts membrane fusion, Saccharomyces diastaticus, Saccharomyces cerevisiae 8837.

actoria, extracellular polymers production, activated studge settlement, role, nutrient balance 2332 between the production, Zymomonas mobilis 3638. biolechnology, yeasts 2552. concentration, phages, detection, drinking water 8413. fermentation, Saccharomyces cerevisiae strains, homozygotes, cytoplasmic inheritance 5268. family control of the policy of the production of

Inheritance 5288.

Inheritance 5

cleaning systems, nosocomial environments, disinfection, bacteria 7544.

swimming pools, Sporothrix schenckii isolation 580 pour,

pour, ergot alkaloids detection, use, liquid chromatography 7050. fermentation, sugars, gas chromatography, fermented food, Uji, lactic acid bactena 3692. food contamination, nivalenol, vomitoxin, Fusarium graminearum, levels, Hordeum

bod contamination, nivalenol, vomitoxin, Fusarium graminearum, levels, Horder content of the con

overing,
Phaseolus vulgaris, roots, Rhizobium leguminosarum var.phaseoli inoculation 4506 Weers, ree radicals levels, Ustilago maydis smut effects on, Zea mays 5433. vicia faba, mycoflora, Egypt 7085.

antibacterial activity, Staphylococcus aureus 7422.

says micromethods, detection, New Zealand black mouse cell lines xenotropic

assays micromethods, detection, New Zealand black mouse cell lines xenotropic C-type virus 620 azurin, role copper, Pseudomonas fluorescens 909. acteria, cytolysis, effects on, Fusarium oxysporum f.sp.cucumerinum, chiamydospores, spore germination, soil 8227. disacteria, ethicium bromide staining, blood samples 5044. Arghieners, effects on Cronartium flaccidum basidiospores spore germination 2529. attacknot oxidase, monophenol monooxygenase, copper active sites, role tryptophan, Neurospora 5173. oxyropetacterium diphtheriae toxins, conformation association acids, sodium chloride effects on 5388. yotochrome c-tyotchrome bz complex, binding characterization, Hansenula anomala 861. 4 cytochrome c-tyotchrome bz complex, binding characterization, Hansenula anomala 861.

decay, association, Methanobacterium thermoautotrophicum coenzyme F420 assays 6819. detection, β-lactamase, methodology 7627.

Fluorescence, (continued)

latty acids, allatoxins, analysis, thin-layer chromatography, high-pressure
liquid chromatography, yarin, Zee mays 8726.

lipids biosynthesis, fungi 1678.

lipids biosynthesis, fungi 1678.

liysophospholipase isoencymes, penicillium notatum 7685.

measuring techniques, growth rate, Escherichia coli, batch culture 8475.

microscopy, Fusarium oxysporum fapjinis, soli, in situ 1267.

monitoring, methanogenic bacteria, digestion (anaerobic), waste treatment 4104.

plaracocciolioides brasiliensis viability determination methodology 2535.

pigments, production, Pseudomonas, media (selective) 7608.

polarization immunoassays, comparison, radioimmunoassay, serum levels,
vancomycin, man 3116.

rubomycin analysis, DNA interaction 6066.

vancomycin, man 3116.
rubomycin analysis, DNA interaction 6066,
staining, monocional antibodies, methodology, cytomegalovirus, identification,
tissue culture 8441.
staining, nuclei, fungi 5936.
staining, nuclei, fungi 5936.
staining, rhodamine, membrane potential, live bacteria 5025.
staining, rhodamine, membrane potential, live bacteria 5025.
stainis, microscopy, nuclear division, mitosis, Tulasnella araneosa 9330.
subtilisin, active sites serine residues, distance tryptophan residues, bacteria

subilishi, active sites serine residues, ustantor tryptophan residues, bacteria 899. subilishi inhibitor renaturation, denaturation kinetics. Streptomyces 901. tryptophan, cysteine residues role, gene 32 protein binding DNA, phage T4 4259. tryptophan residues, lysozyme, disaccharides tetrapeptides binding effects on, phage T4 7706.
U.V. radiation, Bacteroides identification 1617.
U.V. radiation, identification, Corynebacterium diphtheriae 5909.
Fluorescent antibody test, Area catechu roots, Ganoderma lucidum infection detection methodology 7160. comparison, enzyme-linked immunosorbent assay, characterization, immunity, varicelia-zoster virus, man 636. comparison, passive hemagglutination, diagnosis, syphilis, man 3317. comparison, passive hemagglutination, serotyping, Campylobacter fetus subsp.jejuni 3293. comparison, sildes agglutination, Legionella clinical isolates Identification 3301. correlation, counter immunoelectrophoresis, rabies virus antibodies

contention, situate suguiunation, Legionelia clinical isolates identification 3301.

correlation, counter immunoelectrophoresis, rabies virus antibodies determination, rabbits 3250, detection, Clostridium difficile, feces, methodology 2510, detection, respiratory syncytal virus, nasopharynx secretions 1556, identification, influenza virus 9278, immunodiagnosis, Corynebacterium sepedonicum, plant diseases, books 3385, immunodiagnosis, Rocky Mountain spotted fever 2471, microscopy, detection, Mycobacterium leprae, leprosy 5904, spring viremia of carp virus antigens detection, organs, Cyprinus carpio 5888, usa, identification, vesicular-arbuscular mycorrhizas 3360.

Fluorescent probes, 2-acefylaminofhorene, enhancement, methodology, cytomegalovirus (human), DNA, hybridization analysis 9282.
fluorescein diacetate, detection, live aquatic bacteria, fresh water 7534.
NAD 3 analogs, photoaffinity labelling glyceraidehyde-phosphate dehydrogenase cysteine, yeasts 932.

NAD analogo-yselina, yeasts 892. Flat of the state of th uonoe, binding cytochrome peroxidase, E.S.H., Pseudomonas aeruginosa 3469. effects on, streptococcus mutans, growth, acid production, dental plaque 7554. levels, drinking water, dental caries incidence, children 6728. Medicago sativa treatment, nitrogen fixation, leghemoglobin, nodulation, biomass

2961. Intrification inhibition, mathematical models 2358. release equipment, oral cavity, dental caries prophylaxis, animal models 6725. solubilization, soil pollution decontamination, Penicillium, Fusarium culmorum, Fusarium merismoides 7258.

Fluorine, compounds, plastics, industrial effluents, wastewater treatment 4898. drinking water, prophylaxis, dental caries, man, France 5868. soil pollution, soil microorganisms, biological activity 413.

5-Fluore-(2'-Introfuryl')-2-benzimidazole, and activity 413.

5-Fluore-(2'-Introfuryl')-2-benzimidazole, and activity, Candida albicans, Bacillus subtilis 9136.

p-Fluorobenzensulfonamide, derivatives, antibacterial activity, antifungal activity 7394. 3-Fluorocatechol, inactivation kinetics, catechol 2,3-dioxygenase, Pseudomonas putida 3449.

inactivation kineticis, catecnol 2,3-dioxygenase, Pseudomonas putida 3449.

Fluorocytosine,
antifungal activity, Candida 4753.
antifungal activity, Condiobolus, Basidiobolus 7380.
antifungal activity, relative inhibition factors measurements, dose-response
effects 4017.
drug sensitivity testing, Candida 5735.
drug sensitivity testing, Candida albicans 5741.

drug sensitivity testing, variativa autorial description of the Fluorometry, assays, proteinase, Saccharomyces cerevisiae 935. measuring techniques, proteins, amines, yeasts, bacteria 7556. triacylglycerol lipase, Pseudomonas fluorescens, milk 21. Fluorophenyhtalene, biodegradation, stereoselectivity, Cunninghamella elegans 7835. Fluorophenyhlatinne, antifungal activity, sclerotia, Sclerotinia sclerotiorum 8310. m-Fluorophenyhlatinne, nentides containing, transport, antifungal activity, Candida albical

peptides containing, peptides containing transport, antifungal activity, Candida albicans 4758. 5'-p-Fluoroaulfonylbenzoyl adenosine, chemical modification, succinyl-CoA synthetase (ADP-forming), ATP, ADP binding sites, Escherichia coli 1756.

Foaming, fermenters, efficacy 8511.

Foams,

insulation, buildings, biodegradation, decay fungi, Basidiomycetes 7243.

Foliar applications, antiviral agents, effects on cowpea chlorotic mottle virus infectivity, symptoms

Food contamination, (continued)
bacteria, meat products quality, amines detection 6196.
bacteria survival, y radiation treatment 7031.
bacteria, tomatoes, food processing effects on 6984.
books 4240. Foliar applications, (continued)
Vigna unguiculata 3903.
Iungicides, prophylaxis, disease control, plant diseases, Glycine max, USA,
Georgia 81 18.
metalaxyl, elosite-Al, disease control, downy mildew, Peronosclerospora so Georgia 8118.

metalaxyl, elosite-Al, disease control, plant diseases, Glycine max, USA, metalaxyl, elosite-Al, disease control, downy mildew, Peronosclerospora sorghi, Sorghum bicolor, Zea mays 8126.
metribuzin, effects on Solanum tuberosum yield, association, infection, potato virus X, potato virus Y, potato leaf roll virus 8019.
micronutrients, fungicides, effects on Exserchilum rostratum leafspot, Chrysalidocarpus lutescens 3910.
ribavini, effects on infection, Prunus necrotic ringspot virus, green ring mottle virus-like particles, Prunus 3902.
spores persistence, biological control, Bacillus thuringiensis, Gossypium 117.
Foliar diseases, phytopathogenic fungi, Leguminosae 6237.
phytopathogenic fungi, Leguminosae 6237.
Polic acid,
biosynthesis pathway inhibitore, drun realitation. theese, Penicillium, mycotoxins detection, identification 7080. chloring dioxide antibacterial activity, food processing, off flavor, bacteria corn, molds, toxins production, water content, temperature, propionic acid, effects on 2749.

corn, trichothecenes, screening use Tetrahymena pyriformis 7055.

Cryptococcus laurentii var.laurentii, meat, effects on flavor, association freezing 3702.

4-deoxynivalenol effects on body weight, food conversion, Salmo gairdneri 219.

eggs, allatoxin B1, aflatoxin M1, aflatoxicol, determination, liquid chromatography 8732.

enzyme-linked immunosorbent assay, enterotoxins, Staphylococcus 8737.

fermented milk products, mycotoxins, risk factors 7106.

food processing hygiene, organoleptic evaluation, cheese 8709.

lungi, mycotoxins, books 3384.

Gossyplum finisulum seeds meals, aflatoxins, detoxification methodology 7081.

ham, yeasts, bacteria, potassium sorbate, vacuum packaging, effects on food spollage 37504.

acid bacteria, meat, meat products, reviews 209.

meat, molds, growth conditions 6193.

microganismus, books, conferences 4246.

milk, Yersina enterocolitica 7004.

minoed meat, bacteria 203.

mycotoxins, association cereals grain, methodology, British Isles 7047.

mycotoxins, cereals food, cereals grain, methodology, 225.

mycotoxins, deboticno, use, antibodies association, reviews 7079.

mycotoxins, man, animals, screening methodology, reviews 7079.

mycotoxins, screening, prevention, control association food processing, reviews 7077.

mycotoxins, screening, prevention, cattle 6205. corn, molds, toxins production, water content, temperature, propionic acid, effects on 2749. biosynthesis pathway inhibitors, drug resistance, bacteria, reviews 9053. Follicultite, Pseudomonas aeruginosa, spas, baths, case reports, man 7530. Folpet, Folpet,
+ cyproturam, Phytophthora infestans, Pseudoperonospora cubensis, disease control,
Solanum tuberosum, Cucumis sativus 2894.
disease control, Phytophthora cactorum fruit rot, Botrytis cinerea grey mold,
Fragaria chiloensis 7214.
production, Fornes annosus 5392.
Fornes annosus,
collobiose dehydrogenase, purification, characterization 5976.
disease resistance, antifungal agents, wood, Pinus densiflora 354.
phytobxins production 5392.
protopialsxi, enzymes, bindenradatien, linnin 8673. phytotoxins production 5392. protoplasts, enzymes, biodegradation, lignin 8673. root rol, Pinus leaves chemical composition association 2116. white rol, ignocelluloses biodegradation 5309. Formes fraxinophilus, infection, Fraxinus pennsylvanica, incidence, USA, Nebraska 5592. Fonsecase padrosol, pathogens, isolation, feeds, storage buildings 582. pathogens, isolation, feeds, storage buildings 582.

Food, antioxidants, butylated hydroxyanisole, butylated hydroxytoluene, antimicrobial activity, reviews 8717.

Bacillus, Clostridium, spore germination, inactivation, acids, reviews 7026. by-products, food processing, enzymes 5319.

Campylobacter jejuni, oronamination 6195.

Campylobacter jejuni, oronamination 6195.

Campylobacter jejuni, oronamination, methodology 225.

Contamination, flatoxins, bibliographies 5379.

Contamination, Fusarum, mycoloxins, reviews 7102.

Contamination, Fusarum, mycoloxins, reviews 7102.

Contamination, Salmonelia, characterization 6371.

detection, aflatoxin B1, aflatoxin G1, screening methodology, Egypt 7064.

drying, solar radiation, use methanogenesis, digestion (anaerobic), food processing, industrial wastes 7489.

enumeration, molds, methodology, characterization 195.

enumeration, molds, methodology, characterization 195.

enumeration, betterior industrial vastes 7489.

Escherichia coli detection, bioassays 7844.

formentation, betterior isolatoxing for the processing in the processing, betterior isolatoxing for the processing aflatoxing detection, Zaire 7057.

man, aflatoxing detection, Zaire 7057.

man, detection aflatoxins, India 7051.

man, isolation Aspergillus, aflatoxins biosynthesis in vitro, Egypt 7062.

microorganisms, bioassays, methodology, books 9336.

microwave radiation sterifization, laminar air flow nosocomial environments, man 574.

most probable number, enumeration, Escherichia coli 3690. mycotoxins, Zea mays, intoxication, cattle 6205.
rivalenol, vomitoxin, Fusarium graminearum, levels, flour, Hordeum vulgare 2737 opticalis, reviews 706.
poultry, Campylobacter fetus subsp. jejuni 1058.
Prunus amygdalis, nuts, Aspergillus flavus aflatoxins levels 7101.
Pseudomonas, chickens, volatiles production 5317.
psychortorphic bacteria, port 6966.
Salmonella detection, DNA hybridization analysis 673.
Salmonella, enzyme immunoassay detection 8478.
seafood, yeasts 5343.
seafood, yeasts 5343.
Seafood, yeasts, proteolytic enzymes, lipolysis 5340.
Staphylococcus enterotoxins, detection, passive reverse hemagglutination 7905.
trichothecenes, gas chromatography, grain, Hordeum vulgare 7107.
viruses, U.358 202.
wheat, mycotoxins 7098.
yeasts, bacteria, seafood, Pisces 8712.
Yersinia enterocolitica, enterotoxins production 8753. Food dyes, pigments production, immobilized cells, Monascus 5238. Food industry, antimicrobial agents, inhibition, bacteria spores 7028. bacteria spores, heat resistance, mechanisms 6415.
brewing, baking, by-products, extracts, Saccharomyces cerevisiae 201.
chlorine disinfection, spores, resistance, Bacillus, clostridium 6413.
color compounds, flavor compounds, production, enzymes, microorganisms 200.
enzymes, thermal stability, genetic engineering, thermophilic microorganisms 3495. most probable number, enumeration, Escherichia coli 3690. phosphate, antimicrobial activity, reviews 6981. preservation, ionizing radiation, reviews 8714. preservatives 1073. 5952.

God processing industrial wastes, composting, thermophilic fungi survival 4114. glucose oxidase, fungi 55. hydrogen percoxide, bacteria spores, resistance 6414. immobilized enzymes, reviews 5139. industrial effluents, wastewater treatment, digestion (anaerobic), methanogenesis preservatives 1073, preservatives, Iyozyme characterization, Streptomyces rutgersensis 6006. Pseudomonas aeruginosa isolation, hospitals, kitchens 5347. relationship, bacteria, resistance, carbon dioxide 1923. sodium chloride, artibacterial activity, reviews 7024. spices, Salvia officinalis, antibacterial activity 8719. Staphylococcus aureus enterotoxin A, radioimmunoassay 1942. sterilization, food contamination, food spoilage, production, books 4240. ultrahigh temperature sterilization, reviews 7032.

Food additives, effotomycin, artibacterial activity. Clostricilium partinopas. chickers 1055. 8405 industrial effluents, wastewater treatment, potatoes, fermentation 2350. industrial effluents, wastewater treatment, trickling filters, activated sludge A111.

Industrial wastes, single-cell protein, production, amino acid composition, Fusarium oxysporum 1.sp.lini 1729.
pectinolytic enzymes applications, reviews, microorganisms 2598. safety regulations, enzymes 43. safety regulations, toxicity testing, enzymes, microorganisms 44. Salmonella carriers, man 8427. spores, heat resistance, bacteria 7030. starch hydrolysis, a-amylase, microorganisms 51. starch residues, fermentation, single-cell protein production, Aspergillus, Rhizopus, Penicillium 1713. triacylgivcerol lipase, extracellular enzymes, reviews, microorganisms 2600. Food poisonling, botulism, sealood 4486. mycotoxicosis, Fusarium, domestic animals, reviews 7017. role meat, spoilage, bacteria 3713. Food preferences, Food additives, efrotomycin, antibacterial activity, Clostridium perfringens, chickens 1065. Food chains, role, microorganisms, books 4238. Food consumption, seafood, hepatitis A outbreaks, man 3691. Food contamination, and contamination, and additional account allaboticosis association, man, domestic animals, reviews, historical account allaboticosis association, man, domestic animals, reviews, historical account 7046 , 1046.

Allatoxin B1 assays, high-performance liquid chromatography 7044. atlatoxin M1, cow's milk 7992. atlatoxin M1, cow's milk 7992. aflatoxins, analysis, thin-layer chromatography, comparison, liquid chromatography, peanuts 9731. atlatoxins, chemical analyses, attraction, thin-layer chromatography, nuts, grain atlatoxins, chemical analyses. 7108. aflatoxins, coconuts, products, incidence, India 7894. Food preferences, saprophagy, funding virtual virtual prophagy, funding decomposition, Pinus, leaves, Porcellio scaber 2912. Food processing, alkaline industrial wastes, wastewater treatment, Zea mays 8402. aflatoxins, coconuts, products, incidence, India 7894, aflatoxins, com, control, reviews 222, aflatoxins, determination, liquid chromatography, peanuts 8729, aflatoxins, effects on proteins nutritive value, chickens 5352, aflatoxins, peanuts meals, corn meals, detection methodology, comparison 7066, aflatoxins, peanuts meals, decontamination methodology use methylamine+calcium hydroxide 7097, aflatoxins, production, grain, comparison, Zea mays, reviews 7052, aflatoxins, production, grain, comparison, Zea mays, reviews 7052. Aspergillus, Fusarium, Chaetomium mycotoxins, man, books 6798. Aspergillus, Praesticus, aflatoxins, Zea mays, Phaseolus, detection, use, chromatography methodology 7088. Bacillus cereus, Thalland 6870. bacteria, counting methods, glucose metabolism 6177. ankanine industrial wastes, wastewater treatment, Zea mays 8402.
association, control, mycotoxins food contamination, reviews 7070.
bacon, ham, spoilage 3799.
brines, lishery products, single-cell protein production, Candida utilis 6812.
by-products, waste treatment, microorganisms 5320.
com, industrial effluents, wastewater treatment, methanogenesis, bloreactors com, industrial effluents, wastewater treatment, methanogenesis, bloreactors /510.
decontamination, mycotoxins food contamination, methodology, reviews 7073. food by-products, enzymes 5319.
food contamination, vomitoxin, flour 3737.
hygiene, food contamination, organoleptic evaluation, cheese 8709.

ood processing, (continued)
industrial wastes, biotechnology, books 4233,
industrial wastes, compositing, thermophilic fungi survival 4114,
industrial wastes, digestion (anaerobic), methanogenesis, volatiles fatty acids

industrial wastes, digestion (anaerobic), methanogenesis, use food drying, solar radiation 7489. industrial wastes, growth conditions, kinetics, optimization, Candida utilis

9225
industrial wastes, waste treatment, composting 6682.
meat industry, becteria contamination 3706.
meat industry, poultry, bacteria contamination, hygiene 3707.
meat industry, poultry, Staphylococcus aureus contamination, biotyping 6179.
meat products, cured products, spoilage proframination, bacteria 3708.
molds defection, colorimetry methodology 6183.
molds defection, colorimetry methodology 6180.
molds defection, colorimetry methodology 6180.
molds defection, colorimetry methodology 6180.
politives, wastes, fungi biodegradation, preterior production 871.
oranges, industrial wastes, digestion (anaerobic) 6699.
polatose, waste water, use, fermentation, Saccharomycopsis fibuligera, Candida utilis, biomass 157.
pouttry, food contamination, chlorine dloxide, antibacterial activity, off flavor 7020.

T020.

tomatoes, effects on food contamination, bacteria 6984, wastes, astaxanthin extraction, silage, Procambarus clarkii 2714, wastes, methanogenesis, bioreactors, Coffea arabica 7515, wastes, methanogenesis, digestion (lanerobic), Beta vulgaris 6691, wheat, flour, effects on vomitoxin levels 7890.

Sod sources, full bodies, Discomycetes, Gasteromycetes, India 6192, ood spoilage, books 4240, hum, food contamination bacteria, weasts, potassium enthate, vegus

9225

Douns 4:240.
ham, food contamination, bacteria, yeasts, potassium sorbate, vacuum packaging, effects on 3730.
od-borne diseases, bactena classification, reviews 1896.
books 4240.

viruses, prophylaxis, hand disinfection, man 9266.

cot-and-mouth disease virus,
capsid protein, isolation, chromatofocusing, methodology 656.
plaques characterization, vaccines production 3183.
storage, proteolytic enzymes activity 6741.
synthetic peptides, vaccines production, antigenicity, cattle 6659.
typing, complement fixation methodology 3254.
ultracentrifugation, density gradients, cesium chloride 6736.
vaccines, overproduction, DNA recombination products, reviews 5810.
vaccines, production, formaldehyde, inactivation 5809.
orbs.

vaccines, overproduction, DNA recombination products, reviews 5810. vaccines, production, formaldehyde, inactivation 5809.

orba, indigenous species, introduced species, nitrogen fixation, rangelands soil 7271. indigenous species, introduced species, nitrogen fixation, rangelands soil 7271. leaf litter, decomposition, interspecific relationships, Invertebrata, forest floor 7222. soil horizons, seasonal variations, ascospores, fungi 5540, soil microorganisms, role, survival, Fusarium 5539. sulfur dioxide, pollution effects, soil microorganisms 5613. taiga, nutrient cycles, USA, Alaska 5545.

orset management, root rot, Dutch elim disease, disease control, Canada 2922.

orset practices,
burning, effects on nutrient cycles, soil microorganisms, forest floor, Pinus ponderosa forests 8932. clear cutting, burning, effects on ectomycorrhizas association, Pseudotsuga menziesii 7231.

orset products,
Acer saccharum, defects, association, canker, Eutypella parasitica 8180. adhesives, biodegradation, fungi 7241. biodeterioration, association, water potential, fungi 1242. biodeterioration, bacteria, fungi, colonization, succession, preservatives, effects on 1241.

biodeterioration, biodeterioration fundingi, switzerland 1249. softwoods, protection, biodeterioration fungi, Switzerland 1249. preservation, biodeterioration fungi, Switzerland 1248. preservy, protection, biodeterioration models, ectomycorrhizas 5577.

softwoods, protection, biodetenioration, rungi, carata 12-0.

restry,
roots colonization, mathematical models, ectomycorrhizas 5577.
trees, ectomycorrhizas, research programs 5550.

prests,

Abies balsamea, Bacillus thuringiensis, biological control, Choristoneura fumiferana 7778.

Carbon cycle, soil microorganisms, soil nutrients 6321.

etitylene production, ascocarps, Elaphomyces, Sweden 351.

Fagus sylvatica, Querous petraea, inter fail decomposition, British Isles 352.

Fagus sylvatica, Cuerous petraea, inter fail decomposition, British Isles 352.

fertilization effects on bacteria, soil, catchment areas, surface water 2106.

firee, Durning, effects on soil microorganisms 7221.

latel fitter decomposition, Canada 8933.

litter, effects on mycorrhizas growth, seedlings, Pseudotsuga menziesii, Thuja pilcata 5548.

ititler, effects on mycorrhizas growth, seedlings, Pseudotsuga menziesii, Thuja plicata 5546.

littler, wood, biodegradation, microorganisms 5537. 
nitrogen, mineralization, fertilizer applications, Pinus radiata 5541.

Nothofagus dombeyi, fungi, species composition 3906.

phosphorus cycle, biogeochemistry 5536.

Ploea, humus, thiosulphate sulphurtransferase, soil microorganisms 2916.

Ploea sitchensis, soil, vertical distribution, Mycena galopus, Marasmius androsaceus, Onychiurus latus grazing effects on 8939.

Pinus radiata, soil mycoflora, population levels, relationship Aphelenchus avenae 8223.

8223.
primary production, soil, population levels, mycorrhizas 5553.
pseudotsuga menziesii, fungi, biomass, hyphae 1232.
soil, bacteria enumeration, ervirorimental factors effects on 1231.
soil, formation, ectorrycorrhizas, vesicular-arbuscular mycorrhizas, rhizosphere temperature effects on 5549.

Forests, (continued)

soil, labuctril 25 treatment, actinomycetes enumeration 4674, soil, litter, acetylene reduction, nitrogen-fixing bacteria, Eucalyptus obliqua,

soil, ittler, acetylene reduction, nitrogen-fixing bacteria, Eucalyptus obliqua, Pinus radiata 8937. soil microorganisms, decomposition, wood, urea fertilization effects on 5578. soil microorganisms geographical distribution, USA, Arzona 7246. soil microorganisms, nitrogen cycle, mathematical models 8146. soil microorganisms, sulfur, nutrient cycles 4611. soil microorganisms, sulfur, nutrient cycles 4611. soil moisture, drying, effects on denitrification 8938. soil, organic matter, association, mineralization, carbon, nitrogen 8145. soil, organic matter, nitrogen mineralization, 7290. soils, sulfur organic compounds formation, soil microorganisms 5617. sulfur mineralization, soil microorganisms 1230. tropical environment, vesicular-arbuscular mycorrhizas, mycelia, nutrient uptake 5576.

Tsuga heterophylla, epidemiology, airspora, basidiospores deposition, Heterobasidion annosum 8944.

tundra, transitions, alpine environments, ecological distribution, ectomycorrhizas 2101.

L form, bacteria, artificial symbiosis, plants 6345. Staphylococcus aureus, growth, pipemidic acid antibacterial activity 9097. Pseudomonas aeruginosa, defective mutant, alginic acid role, lipase stimulation

ormatoenyos, amibacterial activity, noxythiolin release mechanisms 2216. antibutgal activity, ungil 4962. disirifection, antigens extracts, fungi, pathogens, clinical microbiology 810. inactivation, foot-and-mouth disease virus, vaccines, production 5809. Industrial effluents, toxicity, methanogenic bacteria, digestion (anaerobic) industrial effluents, toxicity, methanogenic bacteria, digestion (anaerobic)

oxidation, methanogenesis, methanogenic bacteria 4681.

Formaldehyde dehydrogenase (glutathlone),
purification, characterization, Pichia pastoris 1782.

Formalin,

Pormalin, comparison, heat treatments, Legionella pneumophila, antigens, use, indirect fluorescent antibody test 792.

Formate dehydrogenase, activity, dehydrogenase, activity, dehydrocholic acid reduction, 12-ketochenodeoxycholic acid synthesis, NADH regeneration 6090.

Candida boidmii, +Bacillus sphaericus leucine dehydrogenase, L-leucine production, membranes reporters.

Cariotta bolomi, "-Bacinius spinaericus leucine denyarogenase, L-leuci production, membranes reactors 3. Clostridium pasteurianum, purification, characterization 6859. purification, candida boldini, e1thanol oxidation, Pichia pastoris 2614. purffication, characterization, methanol oxidation, Pichia pastoris 2614. purffication, ultrafiliration, ion exchange 7733.

Formazans, antibacterial activity, Bacillus subtilis, Staphylococcus aureus, Salmonella typhi, antiviral activity, sunhemp rosette virus 9139.

Formic acid,

Formic acid, antimicrobial activity, microorganisms, effects on, hay, preservation 6490. metabolism, methanogenic bacteria coenzyme M biosynthesis 6825.

N-Forminidoyi Ithenamycin, antibacterial activity, antibiotic synergism, streptomycin, amikacin, sisomicin, Streptococcus faecium 4811. antibacterial activity comparison, edoperazone, Pseudomonas aeruginosa 508. binding affinity, β-lactamase 4275.

Formycin, foliar applications, effects on cowpea chlorotic mottle virus infectivity, symptoms, Vigna unguiculata 3903.

symptoms, Vigna unquiculata 3903.

Formycin B,
analogs, pyrazolo[4,3-d]pyrimidine nucleosides, antiviral activity 9118.

5-Formylmellein,
metabolites, Nummularia 5246.

7-Formylmellein,
metabolites, Nummularia 5246.

Formyltetrahydrofolate synthetase,
Clostridium acidurici, antigenic characteristics, cross-reactivity, structure,
tetrahydrofolate synthase, yeasts 8590.

Fortimicin A, disc-diffusion test, bacteria 531.

Fosamine ammonium, toxicity, biodegradation, soil microorganisms 2175.

toxicity, blobegradation, son iniciologalisms 2175. Fostomyclin, antibacterial activity, Staphylococcus aureus 7422. antibiotic sensitivity testing. Eikenella corrodens 4793. bacteria sensitivity standardization, agar diffusion test 537. Fouling,

Cephalosporium coremioides, acetone recovery systems 7525.

Mycobacterium cell adhesion kinetics, reverse osmosis membranes, wastewater treatment 2383.

Fouling organisms, bacteria, species composition, marine environment 1040. biodeterioration, fungi, bacteria, control, oil, books, conferences 1697. Pseudomonas fluorescens, films Pseudomonas fluorescens, aluminum reactors, liquids 2382.

Fowl cholers, and the control of the

Fowl plague virus, antiviral activity, tetrahydro-2(1H)-pyrimidinone derivatives, structure-activity relationships 8321.

purification methodology, use, enzyme-linked immunosorbent assay 6751.

printication interactives and the program of the pr

nuspictuse strencines 1162, plant diseases, fungi, viruses, books 1887.

Fragaria chiloenais, fungicides, disease control, Phytophthora cactorum fruit rot, Botrytis cinerea grey mold 7214.

Fragaria vesca. red core, Phytophthora fragariae, vesicular-arbuscular mycorrhizas protection 5448 Fregaria vesca, (continued)
seed-borne diseases, disease transmission, tobacco streak virus 6267.
France,
drinking water, fluorine, prophylaxis, dental caries, man 5868.
Franciselia tuliarensia,
immunoglobulins, detection, enzyme-linked immunosorbent assay methodology, man
2468.
β-lactamase, purification, characterization 1814.
Frankfurtera,
Clostridium botulinum growth, toxins production, inhibition, sodium nitrite,
drawtassium sorbate, +sodium acid pyrophosphate 7021.

Freshwater microorganisms,
quaternary ammonium compounds, surfactants, biodegradation 5311.
Frost. Clostricium botulinum growth, toxins production, inhibition, sodium nitrite, 
+ potassium sorbate, + sodium acid pyrophosphate 7021.

Frankla, 
actinorhizas, Alnus glutinosa, nitrogen fixation 4593. 
actinorhizas, Alnus glutinosa roots 2096. 
actinorhizas, Alnus incana, nitrogenase activity 4609. 
actinorhizas, Alnus incana, nitrogenase activity 4609. 
actinorhizas, Alnus incana, nitrogenase activity 4609. 
actinorhizas, Alnus rubra, Cytisus scoparius, nutrient uptake, silviculture, 
Pseudotsuga menziessi 8159. 
actinorhizas, Alnus rubra, root hairs 4599. 
actinorhizas, aromatic compounds effects on 4595. 
actinorhizas, aromatic compounds effects on 4595. 
actinorhizas, Casuarina 4596. 
actinorhizas, Casuarina 4596. 
actinorhizas, Casuarina 4596. 
actinorhizas, hybace morphology, biotyping, nodulation, Alnus nitida 8158. 
actinorhizas, introgen fixation, niteraction vesicular-arbuscular mycorrhizas, 
phosphate nutrient uptake, Hippophae rhamnoldes 8243. 
actinorhizas, nitrogen fixation, interaction vesicular-arbuscular mycorrhizas, 
relationship reproductive organs growth, Alnus glutinosa 8155. 
actinorhizas, nitrogenase, acetylene reduction, seasonal variations, 
relationship reproductive organs growth, Alnus glutinosa 8155. 
actinorhizas, nitrogenase, nitrogen fixation, hydroponics, silviculture, 
nutrient requirements, Alnus incana 8153. 
actinorhizas, noduleation, inoculation, agroforestry, Casuarina 8149. 
actinorhizas, noduleation, inoculation, propagation, seedlings, Alnus crispa 8154. 
actinorhizas, noduleation, inoculation, propagation, seedlings, Alnus crispa 8154. 
actinorhizas, noduleation, inoculation, propagation, seedlings, Alnus crispa 8154. ice nucleation bacteria, plants 4556. Frozen food, enumeration, Escherichia coli, methodology 6181. isolation, Campylobacter jejuni, growth, media (selective) 8704. Frozen products, Frozen products, oranges juices, microorganisms enumeration 7850. 
9-Fructofruranosidase, activity, clays, soil properties, grasslands 403. 
activity, measuring techniques, vertical distribution, soil 6333. 
hydrolysis, polysaccharides, crop residues Beta vulgaris 8674. 
immobilization, coupling Zea mays crop residues 8551. 
immobilization, vertical Zea mays crop residues 8551. 
immobilization, properties, Zea mays crop residues 8551. 
immobilization, properties, Puccinia coronata, crown rust, leaves, Avena sativa 2103. sucrose hydrolysis, kinetics, pH, temperature effects on, soil 6332. viscosity effects on sucrose hydrolysis, Saccharomyces cerevisiae 8535. concentration, effects on, Zymomonas mobilis, ethanol, production 996. fermentation, ethanol production, Zymomonas mobilis 6929. fermentation, sensors 3530. fermentation, sensors 3530.

Fusanium oxysporum fermentation 1860.
glucose Isomerization, bioreactors 6534.
production, suppressor mutant, inulinase, Pichia polymorpha 3526.
production, inulin hydrolysis, inulinase, immobilized enzymes, Kluyveromyces
fragilis 854.
substrates, Zymomonas mobilis, ethanol production, factors affecting, kinetics actinormizas, nodulation, inoculation, propagation, seedlings, Afruis crispa 8154.
actinormizas, plants ultractivity, herbicides effects on 2123.
actinormizas, plants, lectins binding 4602.
DNA, nodules, Alnus glutinosa, isolation, purification 4370.
hemoglobin levels, energy metabolism, nitrogenase, nodules, Myrica gale 2898.
isolation, nodules, Casuarian 4597.
media (isolation), actinormizas 8471.
introgen fixation, Alnus glutinosa, Hippophae rhamnoides, Datisca cannabina 4594.
nitrogen fixation, Alus glutinosa, Hippophae rhamnoides, Datisca cannabina 4594.
nitrogen fixation, Julians, allelopathy 3959.
nitrogenase activity, Ainus rubra roots nodules 6318.
nodulation, Anus glutinosa plantiets 4601.
nodulation, Anus giutinosa plantiets 4601.
nodulation, Myrica gale 4603.
nodules, Murs urbra, oxygen effects on nitrogenase activity 4606.
nodules, Myrica gale, nitrogenase activity, seasonal variations 4607.
+ Pseudomonas cepacia, Alnus rubra nodulation 4600.
symbiosis, Alnus nepalensis, nitrogen fixation, actinormizas, Alnus nitida,
Colletta cruciata, Datisca 2969.
\*\*reteuria, 148 Fructose-bisphosphatase, subunits, molecular weight, Saccharomyces cerevisiae 5130. Fructosyltransferase, Fructosyttransterase, Streptococcus sanguis, biosynthesis 943. Fruit bodies, Aphyllophorales, Abies pinsapo rot 5611. Basidiomycetes, extracts, antifungal activity 9201. cellulase, B-D-glucosidase, purification, characterization, Termitomyces 6844 Discomycetes, Gasteromycetes, food sources, India 6192. ectomycorrhizas, basidiospores, inoculum, colonization, seedlings, Betula pendula 5559. formation, Suillus luteus, environmental factors, plantations, Pinus radiata 55/1: Grifola froncosa, glucans, isolation, antitumor activity, sarcoma 180, mice 6891. production, culture, infestation, Phoridae, Sciaridae, Nematoda, Basidiomycetes 7854. Common druchata, Datisca 2009.

Frateuria,
aniline biodegradation 6162.

Fraxinus americana,
dieback, tobacco mosaic virus, tobacco ringspot virus, detection, enzyme-linked 7694, production, culture, Lentinus edodes, Pleurotus cystidiosus 8695, production, culture, pest control, Basidiomycetes 7855, production, culture, Pleurotus pulmonarius, Pleurotus columbinus, Pleurotus ostreatus 8697. ostreatus 9697. production, culture, volatiles fumes effects on, Basidiomycetes 7845. production, wood inoculation, Basidiomyetes 7846. ribonuclease, purification, characterization, Lentinus edodes 1764. Sapindus mukurossi, saponins isolation, characterization 6627. immunosorbent assay 8951. growth, fertilization+vesicular-arbuscular mycorrhizas inoculation, Glomus fasciculatus 7229. tasciculatus 7229.
seedlings, growth, vesicular-arbuscular mycorrhizas inoculation
Fraxinus marlesil, lobravirus infection, characterization 1238.
Fraxinus pennsylvanica,
Fromes fraxinophilus infection, incidence, USA, Nebraska 5592.
Phellinus punctatus incidence, USA, North Dakota 3838. wth, vesicular-arbuscular mycorrhizas inoculation effects on 5548. spatial distribution, ectomycorrhizas, spreading, succession, Betula pubescens 5557. vield. Basidiomycetes culture, compost 1680. apples, patulin detection, screening methodology, gas chromatography 7096. limonin levels, bitterness reduction, immobilized cells Arthrobacter globiformis 5338. Phelilinus punctatus incidence, USA, North Dakota 3838.

Free radicals, chemical malification, tryptophan, cysteine residues, role, gene 32 protein binding DNA, C.D., fluorescence, phage 14 4259.

superoxide, caffeic acid, inhibition, Pyricularia oryzae, spore germination, role disease resistance, plant diseases 8889.

superoxide, hydroxide, non-steroidal antiinflammatory drugs, inactivation, phage 12 4769. Fruit rot. rult rot,
Alternaria, Malus pumila 7986.
Alternaria, Prunus, disease control, fungicides, new records 339.
anthracnose, Glomerella cingulata, USA, Florida, Fragaria 8047.
Aspergillus aculeatus, Ritis vinifera 8843.
Bergillus aculeatus, Ritis vinifera 8845.
Cucumis sativus, Didymella bryoniae ascospores incidence 278.
grey mold, Botrytis cinerea, disease control, fungicides, Fragaria chiloensis 7214. Freeze drying, cell culture, microorganisms 4146. Lactobacillus bulgaricus survival, calcium effects on 4457. preservation, dairy starters, lactic acid bacteria 1612. preservatives, effects on microorganisms growth, urine culture 3268, Staphylococcus aureus survival, factor affecting, minced meat 7037.

/214.
pathogenicity, Diplodia, Botryodiplodia, Lasiodiplodia 7162.
post-harvest decay, fungi 8876.
post-harvest decay, oranges, Aspergillus aculeatus, Botryodiplodia theobromae,
cellulase association 2049. Leuconostoc oenos, cattle bile resistance, effects on viability, malolactic fermentation, wine 6125. Freeze-thawing, Escherichia coli injuries, antibiotics sensitivity, cell surface hydrophobicity Prult trees, crown gall, biological control 269, crown gall, biological control, Agrobacterium radiobacter, reviews 333, crown gall, British Isles 258. 2241 2241. soil microorganisms, in situ effects on, Pseudomonas paucimobilis, Acanthamoeba polyphaga 4638. storage effects on spoilage. Staphylococcus aureus, Salmonella hadar, Salmonella typhimurium, beef, poultry 6975. crown gail, husin siles zoo. crown gail, husin siles zoo. Japan, viruses identification 3811. plant viruses, books, conferences 3400. Pseudomonas syringae, ice nucleation activity, pathogenicity 2804. roots, colonization, vesicular-arbuscular mycormizas 5619.

Fruiting,

storage effects on spoilage, steaminocases and the spoil of the spoil

ineat, roud contamination, vypinococcus aureus survival 7859, association 3702. mofongo, pork+plaintains, Staphylococcus aureus survival 7859, samples, scanning electron microscopy, fungi 8487, steam pasteurization, spoilage, Clostridium botulinum type E toxins production, seafood, Crassostrea virginica 5364.

Fruits, brown rot, post-harvest decay, Monilinia fructicola, biological control, Bacillus

submits 8053.

Chemical composition, relationship Botryosphaeria ribis, infection susceptibility, Malus purnila 27'99.

Chemical composition, watermelon mosaic virus effects on, Cucurbita maxima 6257. ethylene production, Rhizopus stolonifer infection effects on, Lycopersicon esculentum 2011.

Glycine max, nitrogen fixation, Rhizobium japonicum 2154.

isolation, agar, yeasts 9331.

Malus pumila, susceptibility, Venturia inaequalis scab, role, age, temperature,

```
Fruits, (continued)
water availability 2797.
Panicilium digitatum post-harvest decay control, phosethyl Al treatment 2050.
Persea grattisima, Colletotrichum gloeosponoides latent infection, nutrients substrates effects on '7987.
substrates effects on 7987.

Primus persica, Rhizopus stolonifer, post-harvest decay, characterization 8878.

Prunus persica nectarina, Prunus persica, in vitro, in vivo, temperature effects on Monlinia fructicola conidia spore germination, size, pathogenicity 7992.

Punica granatum, Bettranleila humicola spot, new records 2002.

ripening, antifungal compounds, Colletotrichum gloeosporioides infection, Persea americana 2000.

FTA-ABS test,
Treponema, methodology, comparison 8463.

Fuchala:
development, vesicular-arbuscular mycorrhizas effects on 2811.
         Uele, biodegradation, heat treatments, control, Cladosporium resinae, Penicillium corylophilum, contamination 1296. biodeferioration, Cladosporium resinae, benomyl, antifungal activity 1298. cells, bacteria, electron transport coupling, redox potential mediators 6099. cells, bacteria, electron transport coupling, redox potential mediators 6101. contamination, biodeterioration, Cladosporium resinae, nutrient requirements
                       1306
       1306.
ethanol, fermentation, cellulolytic enzymes, microorganisms 162.
2-methoxyethanol, spoilage, Pseudomonas putida growth 3005.
microorganisms biodegradation, books 1683.
production, biotechnology, yeasts, fermentation, methodology, reviews 7803.
production, fermentation, industrial wastes, paper milis, lignocelluloses hydrolysis, cellulolytic microorganisms 7781.
production, metabolism, carbon monoxide, carbon dioxide, methanol, anaerobic bacteria S312.
bacteria 3312.

Proportion, use hydrocarbons, methane, metabolism, methylotrophic bacteria 5706.

Fulton, use hydrocarbons, methane, metabolism, methylotrophic bacteria 5706.

Fulton, effects on Frankia, actinorrhizas, plants infectivity 2123.

Fumerate hydratase, activity, immobilized cells, Brevibacterium flavum 75.

activity, L-malic acid production, Escherichia coli 6877.

activity, L-malic acid production, Escherichia coli 6877.

activity, L-malic acid production, immobilized cells, Thermus rubens sp.nov. 9.

Fumeric acid, conversion, L-malic acid production, fumarate hydratase, immobilized cells, Thermus rubens sp.nov. 9.

conversion, L-malic acid production, fumarate hydratase, immobilized cells, Thermus rubens sp.nov. 9.

conversion, succinic acid, Campylobacter, Clostridium, Streptococcus, detection, gas chromatography, methodology 794.

esters, inhibition Clostridium botulinum, toxins formation, canned food, bacon 7034.
Fumes, volatiles, effects on fruit bodies production, culture, Basidiomycetes 7845.
 Fumigation,
       umlgatton, comparison, fungicides drenches, disease control, Phytophthora fragariae infection, Fragaria 1182.
effects on soil microorganisms, crop fields 5681.
fungicides, use, soil sterilization, disease control, powdery mildew, Turkey 337.
soil, effects on vesicular-arbuscular mycorrhizas 7298.
+solar radiation, soil, effects on crater disease, Triticum aestivum 8120.
       ungal flora,
contamination, counting methods, bran 2052.
Fagus sylvatica, association, natural pruning 2105.
Glycine max seeds, detection, pri, water 289.
post-harvest decay, ergosterol levels, indicators, corn, rice 2051.
post-harvest decay fungi interaction, competition, factors affecting 8050.
post-harvest decay, Triticum aestivum 7196.
Quercus robur 5609.
 Fungal flora.
```

```
Quercus robur branches 7218
```

Fungenia, delection, blood culture samples volume 702. delection, liquid culture, aerobic conditions, anaerobic conditions, effects on detection, liquid culture, aerobic conditions, anaerobic conditions, effects on detec Fungl, air spora, hospitals 5864.

air spora, hospitals 5884, authorities and the sporal production and t

antibiotics production, fermentation, cheese production, industrial applications

9189.
antifungal activity, alantolactone, isohelenin 5742.
antifungal activity, formaldehyde, persteril 4962.
antifungal agents, structure, resistance, antimicrobial activity, reviews 2234.
antifuncolai activity, disinfectants, antiseptics, antimicrobial agents
preservatives 9137.
antimicrobial activity, flavorings 9143.
antimicrobial agents, antibiotics, structure-activity relationships, reviews
9170.

9170.
ascospores, seasonal variations, soil horizons, forest floor 5540.
Aspergillus flavus, fluorescence, agriculture, affetoxins, Zea mays, Gossypium hirsuturm 4474.
biodegradation, adhesives, forest products 7241.
biodegradation, confieryl alcohol 190.
biodegradation, delergents, estuaries, freshwater environments 1037.
biodegradation, leaf lifter, pesticides effects on 2097.
biodegradation, invitore food processing wastes, proteins production 871.
biodegradation, rubber polymers 3646.
biodegradation, wood, soil, nitrogen, effects on 1244.

Fungl, (continued)
biodeterioration, bacteria, fouling organisms, control, oil, forest products,
effluents, Gramineae, books, conferences 1697.
biodeterioration, biological properties, characterization 1021.
biodeterioration, buildings materials, preservatives, polyvinyl acetate 6394.
biodeterioration, corn, storage 1165.
biodeterioration, forest products, association, water potential 1242.
biodeterioration, forest products, colonization, succession, preservatives,
effects on 1241.

biodeterioration, forest products, colonization, succession, preservatives, effects on 1241. biodeterioration, forest products, colonization, succession, preservatives, effects on 1241. biodeterioration, forest products, preservation. Switzerland 1249. biodeterioration, leather, museums, Kuwait 1024. biodeterioration, polyiny fich choride, limis 1032. biodeterioration, softwoods, forest products, protection, Canada 1248. biodeterioration, softwoods, forest products, protection, Canada 1248. biodeterioration, wool, companies, anthropology 1023. biodeterioration, wool, companies, anthropology 1023. biological control, Ceratocystis ulmi 6330. biological control, conferences, Aphididae 5944. biological control, checay fungl. Fagus sylvatica 5599. biological control, checay fungl. Fagus sylvatica 5599. biological control, insecta 8639 biological control, insecta, conferences 846. biological control, insecta, conferences 846. biological control, insecta, conferences 846. biological control, insecta, representation sylvations, involution, production, peat hydrolysates, conferences 7645. biological control, insecta, sylvations, including the production, production, peat hydrolysates, conferences 7645. biological control, insecta, sylvation, production, peat hydrolysates, conferences 7645. biological control, insecta, sylvations, incompicin 2254, blood culture, companison, ilquid culture, isolation, methodology 3260. carbon compounds biodegradation, oxidation, reviews 7823. cellulase, affinity chromatography 4302. cellulase, porduction, screening projects 6883. cellulase, spoilage, calcium chloride prevention, pickles, fermentad for 699. cellululytic microorganisms, fermentation 1004. cellulolytic microorganisms, single-cell protein prod

clinical isolates, 
1-(4-chlorophenoxy)-3,3-dimethyl-2-(1,2,4-triazole-1-yl)methylbutan-2-ol, 
1-(4-chlorophenoxy)-1-(1-limidazolyl)-3,3-dimethyl-2-butanol hydrochloride, 
antifungal activity 4756. 
clinical microbiology, media (cultura), instant potatoes 811. 
composts, antagonists, Rhizoctonia solani, damping-off suppression, Raphanus 
saltivus 290.

sativus 290. conidia, preparation, use, scanning electron microscopy 2532. conidia, sporangiospores, separation techniques, solutions, dextrans, polyethylene glycol, two-phase systems 8489. contact lenses contamination, disinfectants solutions 5871. contamination, cacao beans, ionizing radiation antifungal activity 4568. contamination, contact lenses, eye, man 1527. contamination, polyviny chloride, films, biodesterioration 1039. contamination, polyviny chloride, films, biodesterioration 1039. contamination, propionic acid, preservatives, pelleting effects on, feeds, com 7884.

7884.
contamination, raw materials use production contamination 8342.
conversion, organic matter, wastes, biomass, methodology, books 6793.
com dust association 1904.
corrosion, pipes, air conditioning 4677.
crop residues, hordeum vulgare, Medicago sativa, smoke, antifungal activity 8319.
dainy starters, cheese 6985.
damping-off, survival, seeds dispersal, Platypodium elegans 1240.
decomposition, Plinus leaves, saprophagy, food preferences, Porcellio scaber 2912.
degradation, role oxygen free radicals, photochemistry, models 3663.
delritus lignocelluloses biodegradation, salt marshes sediments 6171.
dextranase, isolation, characterization 5138.
3.4-dichlorosalimis biodegradation 6947.

dextranaes, isolation, characterization 5138.
3.4-dichloroaminie biodegradation 6947.
2.4-dichoroaminie biodegradation 6947.
2.4-dichoroaminie biodegradation 6947.
disease control, captan, beard treatments, Zea mays 2093.
diseases control, captan, beard treatments, Zea mays 2093.
diseases control, solar breadment services servage situation composts, crops 5488.
disease resistance, plant breeding, Glycine max 5473.
disease resistance plant breeding, Glycine max 5473.
diseases resistancy plant breeding, Sorghun 8947.

idra 2129.

tundra 2129.
effects on ameba population dynamics, humus enrichment 4629.
endigenous species, Acacia rust, Hawaii 7236.
endigenous species, Acacia rust, Hawaii 7236.
enzymes, pulp mills, lignin hydrolysis, paper, starch hydrolysis, paper mills 49.
ergot alkaloids production, biotechnology, books 4234.
ethanol production, xylose fermentation 9344.
extracellular laccase biosynthesis 5857.
extracts, detection, pentoxifylline metabolites, thin-layer chromatography,
high-performance liquid chromatography 8433.
fermentation, aureofungin, hamycin, high-pressure liquid chromatography,
isolation, antifungal activity 5600.
fermentation, growth conditions 852.
filamentous microorganisms, antibiotic sensitivity testing, agar dillution test

filamentous microorganisms, antibiotic sensitivity testing, agar dilution test

5763

filtrates effects on, Citrus limon pollen germination 2800.
fruit rot, post-harvest decay 8876.
fungicides, chemical control, growth, paints films 1290.
β-D-galactosidase, immobilized enzymes, wastewater treatment, whey, dairy industry 5830.
glucose oxidase, lood industry 55.
β-D-glucosidase, purification, activity, bioassays 5166.
grain infection, Sorghum 715dation, filter paper 1001.
Gramineae root rot, biodegradation, filter paper 1001.
growth, contamination, taints production, corks, wine 7796.
haloperoxidase, substrate specificity, alkenes 5187.
hydrocarbons, aromatic compounds, biodegradation, reviews 8278.

hyphae length, measuring techniques 8985.
hyphae, wood, stairing methodology 7631, identification, wastewater treatment, peat filtration 7494, immobilized enzymes systems corn syrup production 208, incidence, Lolium perenne roots, nitrogen, phosphorus effects on 6340, industrial effluents, lignin, pulp mills, waste water, coastal waters 1455, infection, Gylcine max, pathogenicity 240, infection, Solanaceae, oxalic acid levels 6281, infection, Solanaceae, oxalic acid levels 6281, infection, Tinicum aestrumy yield, fungicides disease control, USA, Idaho 7951, infection, Zea mays seeds, climatic conditions 1992, infoculum media (culture), plant diseases field trials 5400, inculum media (culture), plant diseases field trials 5400, inculum media (culture), identification, methodology 3231, solation, divended culture, identification, methodology, reviews 5082, solation, divender (aciditien), identification, methodology, reviews 5082, solation, divender (aciditien), identification, methodology, reviews 5082, solation, divender (aciditien), identification, methodology, reviews 5082, solation, genotypes 8098, effects on, yield, disease resistance, Triticum aestivum genotypes 8098, effects on, yield, disease resistance, Triticum aestivum genotypes 8098, leaves decomposition 5306, levels, buildings biodeterioration 2720, lignin, biodegradation 6152, lignin, biodegradation 6152, lignin biodegradation 6152, lignin biodegradation 6152, lignin biodegradation, wood biodegradation 1030, 2-methoxy-1,4-benzoquinone biosynthesis, vanillic acid metabolism, laccase activity 8644, microbio dala activity, corne, nosocomial environments 2411, mycelia, growth, development, soil 401, mycelia, promobilization, utilization, reviews 8486, mycelia, penetration, wheat, barley 1080, mycelia, apmapling, fermenterer 9332, mycotoxins, fo sodium levels 5341
soil microorganisms, methoxychlor effects on 9024.
soil microorganisms, permethrin derivatives toxicity 2174,
soil microorganisms, permethrin derivatives toxicity 2174,
soil microorganisms, phosphamidon effects on 6388.
soil-borne diseases, interaction, endomycorfrizas, reviews 392.
soild wastes, disease transmission, Rodentia, Diptera, public health 2361,
species composition, orchards, Cirrus 3930.
spoilage, com, preservation, ammonia-propionic acid 7025.
spore germination, carbendazim, treatment, effects on, Saccharum officinale 8127,
spores, antimicrobial activity, altifythomethyti-schinolinium chloride 9135.
spores, thermal injury, preservatives effects on, germanation, growth 1072:
sputum clinical isolates, time effects on culture 807.
trainic acid biodegradation 3876.
T-2 toxin, electrophoretic mobility 5376.
T-2 toxin, electrophoretic mobility 5376.
T-2 toxin, electrophoretic mobility 5376. Fungi, (continued) triacylglycerol lipase, proteinase, stimulation, ripening, cheese flavor, cheese 7860 7860 utilization, starch, Metroxylon sagu 8686. vasicular-arbuscular mycorhizas, inoculation, Eleusine coracana, greenhouses screening 2145. vasicular-arbuscular mycorrhizas, inoculation, Eleusine coracana, greenhouses screening 2145. vasicular-arbuscular mycorrhizas, Meloidogyne incognita, mixed infection, phosphorus interaction, Lycopersicon esculentum 371. vomitoxin, feeds contamination, pregnancy, pigs, effects on feeds 2746. white rot, biodegradation, Triticum aestivum lignocelluloses 6943. white rot, defiritus effects on pathogenesis, Cynodon dactylon, Eremochloa ophiuroides, Poa pratensis, Stenotaphrum secundatum 8785. white rot, wood, meservatives, diffusion, toxicity 1251. xylose utilization 3594. yeasts, production, ethane, ethylene, acetylene 8265. sasts, production, ethane, ethylene, acetylene 8265.
ellows, disease resistance, plant breeding, Pennisetum clandestinum 294. yentows, usease resistance, plant oregaing, Penniserum Canoesanum 254. Fungicides, antibacterial activity, Rhizobium 1324. antifungal activity, Alternaria dauci persistent infection, Daucus carota seeds 1226. antifungal activity, antibacterial activity, Verticillium albo-atrum, Rhizobium meliloti 8922. cil, association, railway tracks, stimulation, biodeterioration, field trials 1305 
organic acids, safts, antimicrobial activity, sliage 6489, 
organic acids, safts, antimicrobial activity, sliage 6489, 
organic matter decomposition, tropical environment, rain forests 2911, 
pathogens, antifungal activity, 2-methylquinolines 5740, 
pathogens, antifungal activity, 2-methylquinolines 5740, 
pathogens, antigens extracts, thimerosal, formaldehyde, disinfection, clinical 
microbiology 810, 
pathogens, association, nuclear polyhedrosis virus propagation, biological 
control, Lymantria dispar 6907, 
pathogens, biological control, observation methods, Globodera rostochiensis 5224, 
pathogens, sloidloor, feeds, storage buildings 582, 
pathogens, Biological control, books 4231, 
pathogens, Phizobium japonicum growth, Glycine max, pesticides effects on 1212, 
pathogens, Phizobium japonicum growth, Glycine max, pesticides effects on 1212, 
pathogens, Besamum indium, seeds 883. 
PCB biodegradation, reviews 7827. 
PCB biodegradation, reviews 7827. 
PCB biodegradation, reviews 8651, 
pharmaceuticals sterifization 0144, 
phenols, derivatives, physicochemical derivatives, antimicrobial activity 1353, 
phylloplane, Glycine max, Azotobacter chrocococum, secretions, effects on 7252, 
plant diseases, control, reviews 2843, 
plant diseases, control, reviews 2843, 
plant diseases, proparia, books 1867, 
plant diseases, Fragaria, books 1867, 
plant diseases, Fragaria, books 1867, 
plant diseases, propria B118. melliött 8922. antifungal activity, methodology 1343. antifungal activity, sensitivity, isolates variability, Rhizoctonia solani 8117. applications, disease control, Lolium perenne, seeds yields 8108. aquatic environment, antifungal activity screening 2893. chemical control, fungi, growth, pairts films 1290. disease control, Allum cepa, bulb rot, Botrytis allii 326. disease control, Allemaria macrospora infection, Gossypium barbadense, yield disease control, Allemaria macrospora infection, Gossypium barbadense, yield disease control, Americana Indusposa inscription association 321.
disease control. Ascochyta blight, Cicer anetinum 3883.
disease control, Ascochyta blight, Cicer anetinum 3883.
disease control, Bottytis cinerea, shoot blight, Pistacia vera 2896.
disease control, coffee berry disease, Coffee arabica, Colletotrichum coffeanum disease ccntrol, Festuca arundinacea, blight, Rhizoctonia 8172. disease control, foliar applications, Phytophthora infestans, late blight, Solanum tuberosum 8915. Solanum tuberosum 8915.
disease control, fungi infection, Triticum aestivum, yield, USA, Idaho 7951.
disease control, Fusarium culmorum, susceptibility, Gramineae 2895.
disease control, Humulus lupulus downy mildew, reviews 1170.
disease control, Malus, powdery mildew, Podosphaera leucotricha 5516.
disease control, Monographella albescens, scald, Oryza sativa 2087.
disease control, Mycosphaerella fijiensis, plant diseases, Musa sapientum, Musa
paradisiaca 8914. paradisiaca 8914. disease control, Phaseolus vulgaris rot 1210. disease control, Physoelus vulgaris rot 1210. disease control, Phytophthora cactorum fruit rot, Botrytis cinerea grey mold, Fragaria chilonesis 2714. disease control, Phytophthora infestans, late blight, Solanum tuberosum 1214. disease control, plant diseases 1215. disease control, plant diseases 1221. plant diseases, Fragaria, books 1887
plant diseases, prohylaxis, disease control, fungicides foliar applications,
Glycine max, USA, Georgia 8118,
plant diseases, Solamun tuberosum, books 3380,
plant diseases, Vicia faba, books 4236,
plant diseases, vicia faba, books 4236,
plant diseases, vicia faba, books 4236,
plant diseases, vicia fraction, ectomycorrhizas, reviews 393,
polysaccharides, blosynthesis, industrial applications, reviews 8620,
polysaccharides, blosynthesis, industrial applications, reviews 8620,
polysaccharides, structures, reviews 2632,
polysaccharides structures, reviews 2632,
polysaccharides structures, reviews 2632,
polysaccharides tructures, reviews 2632,
polysaccharides structures, reviews, 2632,
polysaccharides structures, reviews, 2632,
polysaccharides, blosynthesis, industrial applications, reviews, 363,
polysaccharides, blosynthesis, industrial applications, reviews, 2632,
polysaccharides, polysaccharides, polysaccharides, polysaccharides, polysaccharides, polys disease control, part diseases 1221.

disease control, post-harvest decay, oranges, stem rot, green mold 5470.
disease control, Prunus, new records 339.
disease control, tomatoes, post-harvest decay, Geotrichum 1168.
disease control. Vigna unguiculata damping-off, herbicides soil applications effects on 2090 effects on 2090. effects on Rhizobium meilloti growth, Verticillium wilt, Medicago sativa 1211. effects on spores survival, pathogens, Beauveria bassiana, Leptinotarsa deceminicata 2647 effects on survival, Coniferales seedlings, mycorrhizas, cold storage 5581. efficacy, phytopathogenic fungi incidence, Phaseolus vulgaris 2086. field thials, effects on, yield, Triticum, Hordeum vulgare 327. foliar applications, effects on Exserchium rostratum leatspot, Chrysalidocarpus lutescens 3910. parvest decay, fungal flora interaction, competition, factors affecting 8050 8050
post-harvest decay, grapes, effects on wine, fermentation 6939,
post-harvest decay, papaya, disease control, hot water 5469,
preservation methodology, culture collections 2526.
proteolytic enzymes, stanning, leather 48,
proteolytic enzymes, use dainy products, dairy industry 199,
proteolytic enzymes, use dairy products, dairy industry 199,
proteolytic enzymes, centrifugation system, clinical trials 4159,
recovery, use, antimicrobial agents removal equipment, man 3228,
+Rhizoblum japonicum mixed culture effects on, Glycine max nodulation, nitrogen
fixation 2172
fritzosphere microporanisms, ohyllosphere microporanisms. Arliantum foliar applications, prophylaxis, disease control, plant diseases, Glycine max, USA, Georgia 8118. furnigation, use, soil sterilization, disease control, powdery mildew, Turkey 337. 

insecticides, seed treatments, chemical control, Hordeum, Rhopalosiphum madis 6317. Macrophomina phant diseases, effects on pathogenicity 7211. pesticide residues, musts, fermentation, protection, Botrytis cinerea 3601. phytopathogenic fungi resistance, disease control, plant diseases, mathematical models 439. rhizosphere microorganisms, phyllosphere microorganisms, Adiantum capillus-veneris, Ceterach officinarum, Asplenium filare, Cheilanthes catanensis powdery mildew disease control, effects on soil microorganisms, plants 2078, prophylaxis, wood, biodeterioration, Coniophora puteana, Aspergillus tamarii role, mineralization, lignin, Spartina alterniflora, Juncus roemerianus, Pinus elliottii, marine environment 1026. elliotiui, manne environment 1026.
rumen microorganisms, plants cell walls digestion, reviews 3669.
rust, host range, india 2036.
samples freezing, scanning electron microscopy 8487.
sanitizers, antimicrobial agents, dentures 2420.
saprophytes, antagonism, Rhizobium growth, in vitro 7248.
saprophytes, roots colonization, soil amendment, species composition, soil disturbance mises 8230. 1252.

Rhizoctonia sensitivity 8106.

role, Colletotrichum gloeosponoides polygalacturonase inhibition 1224.

Saccharomyces cerevisiae biodegradation, association, fermentation 990.

seed treatments, effects on, black point, Altermaria alternata, Triticale 8930.

seed treatments, effects on nodulation, nitrogen fixation, inoculation,

Bradyfrizobium japonicum, Glycine max 8998.

seed treatments, Festuca arundinacea, Acremonium coenophialum infection, disease

seed treatments, Glycine max, Arachis hypogaea 1229. seed treatments, prophylaxis, Marssonina brunnea infection, Populus deltoides

Salphyrise, route understand, son dehandment, species son disturbance, mines 8230. Screening, exo-1,4-a-D-glucosidase production 8544, Screening, fermentation, chickens feces 3586, sediments analysis, cooling towers 561.

ases 7947.

Funglicides, (continued)
seed treatments, seed-borne diseases, Shorea robusta 8178.
seed-borne fungi, seed-borne diseases, Pinus wallichiana 8177.
soli amendment, disease contro, Sola num luberosum, plant diseases, Globodera rostocheresis, Verticillium dahilia plantum luberosum, plant diseases, Globodera rostocheresis, Verticilium dahilia plantum luberosum, wine fermentation 2082.
Trichoderma viride, silver-lead disease, integrated control, Trichoderma viride+fungicides, pruning wounds, Chondrostereum purpureum 5588.
+ Trichoderma viride, use, disease control, Pythium ultimum damping-off, Fusarium solani (sp. pisi use, treatment, Epichloe typhina infection, Festuca arundinacea 8119.
Funglatasis, disease control, soil-borne diseases, soil amendment, Fusarium oxysporum f.sp. vasinfectum, Fusarium oxysporum f.sp. ycopersici 8104.
induction, biological control, soil-borne diseases, phytopathogenic fungi, reviews 331.
soil, bacteria, inhibition spore germination, conlidia, Bijoplaris victoriae 8966. teviews 331. soil, bacteria, inhibition spore germination, conidia, Bipolaris victoriae 8966. soil, disease control, phytopathogenic fungi, soil-borne diseases 332. soil, phytopathogenic fungi, soil-borne diseases 328. soil properties, phytopathogenic fungi, soil-borne diseases, reviews 329. Fungus gardens, antifungal activity, caryophyllene epoxide, plant extracts, Hymenaea courbaril 2221. Furan, metabolism, reviews 7824. Furazolidone, mutation, Vibrio cholerae, streptomycin resistance induction 3993. Furmecyclox, +Trichoderma viride, integrated control, silver-leaf disease, Prunus domestica Aeromonas salmonicida, survival, rivers fresh water, role disease transmission, Salmonidae 4937.

Fusaric acid, Fusarium, biosynthesis, role, plant diseases, reviews 7100. Fusarium moniliforme, structure 5256. Fusarium moniliotining and provided the function of the functi 5418.
canker, Rubus, USA, Ohio 8846.
cellulolytic enzymes activity 6871.
cellulolytic enzymes production, optimization 1811.
comr ort, Gladiolus, disease resistance 2063.
crater disease, Triticum aestivum, soil fumigation+solar radiation effects on crater dis 8120. 4-deoxynivalenol, food contamination, effects on body weight, food conversion, Salmo gairdneri 219. Salmo gairdneri 219.
detection, oxidase extracellular enzymes 1799.
dry rot, Solanum tuberosum, growth conditions 2030.
ear rot, Zea mays, mycotoxins detection 7083.
ethanol, production, fermentation, cellulose, reviews 6107.
infection, Medicago sativa, epidemiology, British Isles 1971.
infection, futicum aestivum, yield 7948.
interaction, ectomycorrhizas, reviews 393.
interspecific relationships, Insecta, host range, biological control, reviews 5215. isolation, Citrus sinensis, Citrus jambhiri, roots necrosis, association, blight 1136. laccase, aromatic compounds oxidation 5977. media (culture), detection, zearalenone, zearalenol, T-2 toxin, deoxyniralenol, laccase, aromatic compounds oxidation 5977.
media (culture), detection, zearalenone, zearalenol, T-2 toxin, deoxyniralenol, methodology 3748.
microwave radiation soil effects on 3361.
mycotoxicosis, food poisoning, domestic animals, reviews 7017.
mycotoxins, biosynthesis, reviews 7105.
mycotoxins, biosynthesis, reviews 7105.
mycotoxins, contamination, food, reviews 7102.
mycotoxins, detection, oereals, use, gas chromatography 7077.
mycotoxins, detection, oereals, use, gas chromatography 7077.
mycotoxins, detection, physicochemical properties, reviews 7104.
mycotoxins, feeding regimes, turkeys, females, reproduction 3720.
mycotoxins, food contamination, man, books 6798.
Phasedus vulgaris root rot, effects on N-(phosphonomethyl)glycine activity 7943.
plant diseases, chlamydospores, role, surivial, pathogenesis, reviews 7189.
plant diseases, Solanum tuberosum, micdence, Finland 7171.
plants, growth regulators production 3944.
pod rot, Arachis hypogaea, calcium levels effects on pathogenesis 1121.
mizoplane microorganisms, Egypt, seasonal variations 6335.
root rot, disease control, soil amendment, swulst, oil cake, Triticum aestivum 8088.

wilt, Solanum khasianum 1161. zearalenone, incident, wheat, barley, rye, corn 1079

Fusarium acuminatum,
T-2 toxin, ibioyndresis, sorbic acid, stimulation 2761.
Fusarium avenaceum,
citrinin like compounds 5373.
damping-0ff, Trifolium subterraneum, disease control, soil pasteurization 6301.
filitates, effects on Heterodera daverti penetration, Trifolium subterraneum
roots 5524 Heterodera daverti interaction, plant diseases, Trifolium subterraneum 5411. wilt, disease resistance, Solanum tuberosum 1146. wilt, disease resistance, Scianum tuperosum 1146.

Fusarium bicolor,
stalk rot, pathology, Sorghum bicolor 7966.

Fusarium culmorum,
fluoride solubilization, use decontamination, soil pollution 7258.

Gramineae susceptibility, disease control, fungicides 280.

infection, Lolium perenne, disease control, use, calcium peroxide, comparison,
carbendazim, drazoxolon 1203. root rot disease resistance, inheritance, Triticum 2885. zearalenone, incident, wheat, barley, rye, corn 1079. Fusarium equisett, mancozeb+curzate antifungual activity 2085. mycotoxins identification, straw, Oryza sativa 7093. rium flocciferum, Phenois biodegradation, industrial effluents isolates 8685. Fusarium fusariodies, leafspot, Punica granatum, new records 2004. Fusarium graminearum, galactose oxidase characterization 5982. galalotise oxidase kinetics 927.
galactise oxidase kinetics 927.
galactise oxidase kinetics, ions effects on 922.
liquid culture, production, vomitoxin 2755.
liquid culture, production, vomitoxin, levels, food contamination, flour, Hordeum vulgare 2737.
stalarod, vomitoxin, levels, food contamination, flour, Hordeum vulgare 2737.
stalarod, voerwindering, crop residues, USA, Minnesota, Zea mays 7967. Fusarium larvarum,
biological control, Insecta, reviews 6926. biological control, insectal, reviews 0520.

Fusarium lateritium,
biological control, insectal, reviews 6926.
conidia, antagonism, biological control, Eutypa armeniacae wound infection,
orchards, Prunus armenica 6307.

F Fusarium Ini, cellulase purification methodology 3451. euc-cellobohydrolase, purfication, characterization 102. Fusarium !pocparsicum, lipids production, whey, nutrient sources 7788. Fusarium merismoides, fluoride solubilization, use decontamination, soil pollution 7258. Fusarium molliera, infection, Zea mays seeds, climatic conditions 1992. Fusarium moniliforme, antagonism, Rhizobium growth, in vitro 7248. colonization, Zea mays, irrigation effects on seed-borne dise colonization, Zea mays, irrigation effects on seed-borne diseases 7947. disinfectants antitungal activity, solutions, contact lenses 5870. fusarin C structure 5256. gibberellic acid biosynthesis, whey fermentation, mathematical models 5970. infection, Zea mays, endosperm, mutants, effects on, seedlings 3804. mutagens production 122. seeds infection, disease resistance, plant breeding, Zea mays 8074. var. subglutionans, infection, Plantago lanceolata, spatial distribution, relationship, incidence 7192. Fusarlum momiliforme var. subglutinans, infection, Ananas comosus, factors affecting pathogenesis 8834. pitch canker, Arthrobacter, biological control, Pinus 2918. pitch canker, Pinus virginiana, disease resistance 5599. Fusarlum nivele, Fusarium nivale, growth, lastanox T20 effects on 8259. growth, research to be offered on the services. Glycine max 8770.

damping-off, Pinus banksiana, Picea mariana, soil amendment, organic matter, effects on 1239. ethanol production, xylose fermentation 9344. fermentation, carbon sources 1860. Heterodera daverti interaction, plant diseases, Trifolium subterraneum 5411. mixed infection, sunnhemp mosaic virus, pathogenesis, Vigna unguiculata seedlings, nutrition effects on 6234. mixed infection, sunnhemp mosaic virus, pathogenesis, Vigna unguiculata plant diseases, scanning electron microscopy 6236. pathogens reduction, digestion (anaerobic), agricultural wastes 8390. pathogens reduction, digestion (anaerobic), agricultural wastes 8390. pathogens, Rhizobium japonicum growth, Glycine max, pesticides effects on 1212. rRNA 185, rRNA 25S leveis, threo-1-phenyl-2-nitro-1,3-diacetoxy-propane effects on 9891. ethanol production, xylose fermentation 9344. irRNA 19S, rRNA 25S levels, threo-1-phenyl-2-nitro-1,3-diacetoxy-propar on 8921. root rot, benomyl, PCNB, Ficus benjamina 8916. root rot, biological control, Laccaria laccata, ectomycorrhizas, aromatic compounds, Pseudotsuga menziesii 5562. soil microorganisms, role, celiulose mineralization 4631. tin, antifungal activity 1341. wilt, biological control, suppression, Pseudomonas putida, survival, soil moisture, Linum usitatissimum 2897. wilt, disease resistance, plant breeding, cultivars, Citrullus lanatus 8905. Fusarium oxysporum f.sp.apli, yellows, disease resistance, inheritance, Apium graveolens 8066, yellows, disease resistance, inheritance, Apium graveolens 8066, yellows, non-pathogenic strains, biological control, Apium graveolens 6306. Fusarium oxysporum f.sp.clceri, saprophagy, plant debris colonization, temperature effects on, soil 5618. root rot, disease resistance, plant breeding, selection, Trifolium pratense 6292. root rot, soils (sandy), Zea mays 1998. scab, Gramineae, pathology, zearalenone production, animals ingestion, toxicity. scab, cramineae, parnology, zearasinone production, animals ingestion, or reviews 7056.

soil isolation, media (selective) 797.

soil microorganisms, grasslands 3950.

spores, thermal injury, preservatives effects on, germination, growth 1072.

spurvial, soil microorganisms, role, forest floor 5539.

thiophanate-methyl drug tolerance, identification methodology 7213.

toxins, defection, grain, Egypt 7069.

vomitoxin, structure 1930. wilt, disease resistance, gene regulation, Cicer arietinum 3867.
wilt, disease resistance inheritance, Cicer arietinum 298.
Fusarlum oxysporum f.sp.cubense,
pathogenicity, plants, methodology 3768.
Fusarlum oxysporum f.sp.cucumerinum,
chlamydospores, spore germination, bacteria, fluorescence, cytolysis, effects on 8227. vomtoxins, containsation, chickens liver, lipids levels 2748.
witt, +Meloidogyne infection, disease resistance, plant breeding, Lycopersicon esculentum 2864.

reserving oxysporum f.sp.elaeidis,
wilt, disease resistance, plant breeding, Elaeis guineensis 2871.
Fusarium oxysporum f.sp.linl,
in situ, soil, microscopy, fluorescence 1267.
single-cell protein, production amino acid composition, food industry, industrial
wastes 1729.

Fusiform rust, Fusarium oxysporum f.sp.lycopersici, antifungal activity, chromium(III), chromium(VI) 8316. antifungal activity, usnorm russ, Cronarhium quercuum, pathogenesis, Pinus elliottii 4615. Cronarhium quercuum f sp.fusiforme, disease resistance, necrosis ultrastructure, embryos, Pinus taeda 362. Cronarhium quercuum f.sp.fusiforme, disease resistance, seedlings, Pinus elliotii antungai acurviy,
4.4-biphanylendirhydrazone-3-(3-methyl)-2-pyrazolin-4,5-diones 8300.
4.4-biphanylendirhydrazone-2921 Cronartium quercuum f.sp.fusiforme, disease resistance, density effects on, Pinus elliottii 8187. Fuserium oxysporum f.sp.medicaginis, toxins, disease resistance, polypriody, cell lines regeneration, Medicago sativa 5494. strict may apprount a particular particular special process of the second process of the Cronartium quercuum f.sp.fusiforme inoculum, phenology, Pinus elliottii var.elliottii 3921. var.eliiottii.3821. Cronartium quercuum f.sp.fusiforme, stems lesions, Plnus elliottii var.elliottii seedlings 7234. Plnus taeda, Pinus elliottii var.elliottii, pathology location, relationship, yield 8947. Diosynthesis, Escherichia coli 3504.

Escherichia coli, immobilizade arzymes, lactose hydrolysis, milk 8542. immobilizade narymes, lactose hydrolysis, milk 8542. immobilizade narymes, Aspergillus niger 69. immobilized enzymes, Aspergillus niger, fluidized beds 82. immobilized onzymes, Aspergillus niger, membranes, bioreactors 83. immobilized enzymes, Aspergillus oryzae, lactose hydrolysis, skim milk, whey 206 immobilized enzymes, stability, kinetics, Aspergillus oryzae 80. immobilized enzymes, use cellulose beads. Escherichia coli 72. production, genes cioning. Streptomyces 4039. purification, characterization, Bilidobacterium bilidum subsp.pennsylvanicum 3515. will, Usease tesisande, ocuarium toderoam 1742.
Flusarium tabacinum,
plant diseases, pathogenicity, host range, Australia 7126.
Flusarium tricinctum,
growth, mycotoxins biosynthesis, silage fermentation, Lolium perenne 5369.
isolation, Festuca arundinacea, T-2 toxin biosynthesis 7059. Fusarium udum, disease resistance plant breeding, Cajanus cajan, 8899 3515. dissase fesisance plant preeding, ciganus cajan, 8899.

Fusicoccim, effects on sodium, potassium, transport, roots, Beta vulgaris 8741.

Fusicoccum, effects on protons pumps, membrane potential, roots, Zea mays 8739.

Galleria melinella, biological control, "pendotoxin, Bacillus thuringiensis var.ku biological control, "pendotoxin, Bacillus thuringiensis var.ku biological control, Bacillus thuringiensis var.ku biological control, Bacillus thuringiensis var.ku biological control, Beauveria bassiana, conidia subculture e pathogenicity 2656. Gaileria menomenta, biological control, y-endotoxin, Bacillus thuringiensis var.kurstaki 7786. biological control, Beauveria bassiana, conidia subculture effects on pathogenicity 2656. Gallic acid, Fusicoccum. Fusicoccium, fusicoccion effects on pH, protoplasts, Acer pseudoplatanus 7110. fusicoccion, effects on protons pumps, membrane potential, roots, Zea mays 8739. fusicoccin, effects on sodium, potassium, transport, roots, Beta vulgaris 8741. Fusicoccum amygdall, infection, fusicoccin levels, seeds, Zea mays 8740. infection, fusicoccin translocation, Prunus amygdalus 8809. Fusicitic seld

Galls, Proton

Gangrene

production, Klebsiella pneumoniae, Corynebacterium, biodegradation, tannins, Caesalpinia spinosa 5106.

Protomyces macrosporus, leaves, biological control, Torilis japonica 8029.

4-enzyme-linked immunosorbent assay, detection, Escherichia coli enterotoxins
1960.

infection, Areca catechu roots, detection methodology, fluorescent antibody test

Fusarium, effects on yield, Solanum tuberosum 7173.

Ganoderma applanatum,

β-D-glucans biosynthesis, antitumor activity 2637.

Ganoderma lucidum,

146

Fueldic acid, Tusicocan translocation, Prunus amygoatus 8899.

Fueldic acid, antibacterial activity, Staphylococcus aureus 7422.

biosynthesis, liposomes, morphogenesis, metabolism, fusidium coccineum 7469.

effects on Bacillus subtilis, sportulation, stringent response 2242.

Fusidium coccineum, fusidic acid biosynthesis, liposomes, morphogenesis, metabolism 7469

anoderma lucidum, (continued)
7160.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.
1760.

5219. methanogenesis, measuring techniques 3983. temperature effects on, cheese production, Clostridium tyrobutyricum 4462.

composition, measuring techniques, spoilage, canned food 6178.
determination, mass spectroscopy methodology, microorganisms culture systems
4144.

diffusion plastics, association, measuring techniques, nitrogen fixation, plants 2949.

ormusion piasmos, association, measuring techniques, nitrogen hixation, piants 2949.
generatior tablets, use, Campylobacter isolation, feces 3318. hydrocarbons, metabolism, reviews, microorganisms 8283. levels, fermenters, measuring techniques 4403. levels, fermenters, measuring techniques 4403. levels, termenters, measuring techniques 4403. levels, fermenters, measuring techniques 4503. levels, fermentation, spectrometry dementers 154, seccharomyces italicus fermentation, spectrometry sensors, electrodes, measuring techniques Saccharomyces cerevisiae ethanol production 1868 sterility, membrane filtration, fermenters 8505. waste treatment, use, microorganisms growth filters, organic compounds removat 3188.

3188.

3188.

steromycetes,
fruit bodies, food sources, India 6192.

stroentertits,
association, immunoelectron microscopy detection feces viruses, neonates, man

association, immunoelectron microscopy detection teces viruses, neonates, man 3252.
rotavirus (human) incidence, enzyme-linked immunosorbent assay, children, Venezuela 4165.
setrointestinal tract,
colonization, Lactobacillus plantarum, lysine biosynthesis, feeds supplements, nutrient requirements, chickens 7010.
destrointestinal tract infection, nutrient requirements, chickens 7010.
setrointestinal tract infection, bacteria, pathogenesis, man, vaccines development, reviews 2325.
d chromatography,
DNA isolation, plasmids, Escherichia coli 3539.
DNA isolation, plasmids, Escherichia coli 3539.
DNA isolation, plasmids, Escherichia coli 3539.
d diffusion, alginic acid, immobilization substrates 4142.
antibodies detection, hemorrhagic enteritis virus, turkeys 4153.
receptint test, diagnosis, parvovirus (porcine) infection, pigs 5879.
use, bluetongue virus, epizootic hemorrhagic disease virus, antigens, preparation methodology 3240.
latin, seal coliforms, media (selective) 1901.

detin,
ecal coliforms, coliforms, media (selective) 1901.
ecal coliforms, coliforms, media (selective) 1901.
emobilization, tyrosine phenol-lyase activity, Citrobacter freundii 7656.
estitrates,
anaerobic bacteria, detection, use, gelatin anaerobic bacteria media methodology
2457.
lation,
gum, GELRITE, use, media (culture), thermophilic microorganisms 3335.
elitte,
irite,
englishing, analysis

gums, analysis, agar substitutes 774.

la, apsules polysaccharides, Rhizobium leguminosarum, Rhizobium leguminosarum var.trifolii 5199.

Nectrophoresis, use, yeasts mitochondria tRNA characterization, methodology 3362.

3362.

Strategillar polymers, polysaccharides, carbohydrate composition, Pseudomonas elodea 4369.

mmobilization methodology, immobilized enzymes 3513.

solyols, media (culture) 6768.

ne expression,
intigens, cloning, neutralization, vaccines production, herpes simplex virus

Gene expression, (continued) 6610

association, virulence, Puccinia gramınis f.sp.tritici, rust, geographical distribution 7922.

distribution 7922.

Bacillus 9-lactamase, Escherichia coli plasmid pEAP2 894.

Bacillus licheniformis β-lactamase, plasmid pLP11, transformation, temperature effects on stability, Bacillus stearorthermophilus 8543.

cellulase, production, Tinchoderma reese, strains, development 7738.

Cellulomonas fimi cellulase genes, transformation, host systems, Escherichia coli

6018.

6018.

cloning, G.-interferon, Escherichia coli, antiviral activity, characterization, man 2228.

cloning vectors, plasmids 3403,

cDNA, analysis, use Escherichia coli minicells host systems 757.

Escherichia coli plasmids, colonization factors, enterotoxins production 1935.

exotoxin A, hybrids, biotechnology, genetic engineering, Pseudomonas aeruginosa
7321

glycoproteins, vaccines production, herpes simplex virus 6611. hepatitis B surface antigen, cloning vectors, yeasts, hepatitis B virus vaccines

production 6631

horpes simplex virus 1 glycoproteins, antigenic determinants, use vaccines production, cell lines, mammalian cells 6591. inhibition, vaccinia virus infected L cells, prostaglandin A1 antiviral activity

5749.

mice q-amylase biosynthesis, cloning vectors, Saccharomyces cerevisiae 5169. molybdenum-iron protein, nitrogenase, mutants, Klebsielia pneumoniae 3413. nod gene, Ti plasmid vectors, Fhizobium meliloti, nodules formation. Agrobacterium tumeraciens, Escherichia coli 6366. nodulin, role nodulation, Fhizobium, Plasm sativum 2981. pc locus, Periconia circinata phytotoxins, host-pathogen interactions, Sorghum 4519.

40 i9.
rabies virus glycoproteins, Escherichia coli, genetic engineering, vaccines production 6621. streptomycin, kanamycin resistance, transposon Tn5, Escherichia coli, Rhizobium mellioti 442.

xylose isomerase, Saccharomyces cerevisiae promoters, Escherichia coli 5157.

Gene frequency, disease resistance, plant breeding, Hordeum vulgare 2863.

Gene Ilbraries,
centromeres DNA, isolation methodology, transformation, Saccharomyces cerevisiae

820.

Gene manipulation,
hup gene, hydrogenase kinetics, Rhizobium 9008.
Gene mapping,
aminocyclitol phosphotransferase, plasmids, antibiotic resistance, hygromycin B,
Escherichia coli 427.
membrane permeability mutants, antibiotics susceptibility, antibacterial
activity, Escherichia coli 4794.
methodology, actini genes, use plasmid 2μ, chromosome 6, Saccharomyces
cerevisias 6788.

cerevisiae o rob.

nfi gene, nod gene, linkage, gene transfer, fast-growing Rhizobium, nitrogen fixation, nodulation, reviews, Leguminosae 2966.

Rhizobium melliob, plasmiks, role, nodulation, nitrogen fixation, Medicago sativa, reviews 4660.

virulence, Endothia parastiica, blight, use biological control, Castanea dentata

8183.

Gene products,
Gene products,
Citrobacter plasmids, β-lactamase purification, characterization 26.
gene 32 protein binding DNA, tryptophan, cysteine residues role, C.D.,
fluorescence, phage T4 4259.
gene 32 protein binding polynucleotides, tryptophan residues role, U.V.
spectroscopy, phage T4 4255.
gene 32 protein, tryptophan residues, trichloroethanol chemical inodification,
role, binding DNA, phage T4 4255.
v-mos gene, immunoglobulin G antisera, inhibition transformation, vaccines
models, Moloney sarcoma virus 6648.

Gene regulation,

Gene regulation, armino acids biosynthesis, microorganisms 3371. 
antibiotic resistance ermC gene, ermD gene, role protein biosynthesis, ribosomes, 
Staphylococcus aureus, Bacillus licheniformis 6427. 
antibiotics biosynthesis, microorganisms 3374. 
isoleucine-valine operon, cloning, biosynthesis, 2,3-butanedione, 
2,3-pentanedione, flavor compounds, beer, Saccharomyces cerevisiae 7797. 
Gene transfer, 
antibiotic resistance, tetracycline, Clostridium perfringens, characterization

antibiotic resistance, tetracycline, conjugation, transposons, Streptococcus 6431

GAGI.

GA

ceres,
actin, gene mapping, chromosome 6, Saccharomyces cerevisiae 6788.
Abl gene, Cyhl gene, mat gene, Cachilobolus heterostrophus, relationship, leaf
blight, epidemic mat gene, Cachilobolus heterostrophus, relationship, leaf
blight, epidemic mas Adott gene, mutation, barley stripe mosaic virus infection,
considered sequence, Zea mays 7152,
antibiotic resistance ermC gene, ermD gene, gene regulation, role protein
bloeynthesis, ribosomes. Staphylococcus aureus, Bacillus lichenflormis 6427.
artibiotic resistance, ribostamycin, kanamycin, novobiocin, destomycin,
racemomycin, cloring, Streptomyces 1314.
antigens, cloring, vaccines production, genetic engineering, viruses 5807.
arginine, valine, NAD, role, Escherichus coli mutagenicity testing 6775.
Bacillus sphaericus toxins, gene expression, use biological control 8628.

Genes, (continued)

Remes, (continued)
Bermia lactucae, virulence, sexual reproduction, recombination, host-pathogen interactions, disease resistance genes, Lactuca sativa 2840.
cellulase, Cellulomonas fimi, transformation, gene expression, host systems, Escherichia coli 6018.

interactions, disease resistance genes, Lactura sativa 2840.

cellulase, Géllulamonas firmi, transformation, gene expression, host systems, Escherichia coli 6018.

Gellulase, acv-cellobiorhydrolase, introns excision, methodology, clones, Trachoderma resesi 8568.

Cloring, 8-D-palactosidase production, Streptomyces 4039.

cloring, antigens, vaccines production, rotavirus 6643.

cloring, exp. 1-4-rc-Deluocoidase, Aspergillus awamori, cellulase, Trichoderma resesi 3498.

cloring vectors, antibiotics production, Streptomyces 4845.

cytochrome c CYC1 gene, cloring, yeasts 819.

cloring vectors, antibiotics production, Streptomyces 4845.

cytochrome c CYC1 gene, cloring, yeasts 819.

cloring vectors, antibiotics production, Streptomyces 4845.

cytochrome c CYC1 gene, cloring, yeasts 819.

disease resistance, linkage analysis, Lactuca sativa 5474.

disease resistance, plant breedling, Phaseolus vulgaris, halo blight, Pseudomonas phaseolicola 5481.

disease resistance, Pseudocerosporella herpotrichoides eye spot, Aeglicips ventricosa, transfer, Triticum aestivum 8078.

disease resistance, pseudocerosporella herpotrichoides eye spot, Aeglicips ventricosa, transfer, Triticum aestivum 8078.

disease resistance, speck, Pseudomonas syringae pv.tomato, inheritance, Lycopersicon 2828.

enterotoxins, probes, Escherichia coli detection, water, DNA hybridization analysis; 1087.

c-D-glucosidase, gene expression, Saccharomyces cerevisiae 3442.

hemaglutinnis, influenza virus, vacchia virus transfection, gene expression induction antibody response, hamsters, rabbits 4887.

Hir gene, methobular, resistance, linkage, Rbat gene, disease resistance, Phytophthora megasperma f.sp. glycinea, Glycine max 2004.

hup gene, gene manipulation, hydrogenase kinetics, Rhosobium 9008.

kanamycin resistance, hybridization analysis, nodules, Rhizobium 9008.

kanamycin resistance, hybridization analysis, nodules, Rhizobium, 9018.

linkage analysis, peniciliin biosynthesis, protoplast fusion, Aspergillus indidars, Aspergillus rugulosus 4047.

17 13 g

Puccinia recondita I sp. tritici 6089. Lys14 gene, Saccharopine reductase biosynthesis, Saccharomyces cerevisiae 7690. Lys9 gene, Saccharopine reductase biosynthesis, Saccharomyces cerevisiae 7690. malic acid, lactic acid, Lactic bacilius delbrueckii, clorinig, Escherichia coli, Saccharomyces cerevisiae, role, wine, fermentation 2681. nif gene, nod gene, linkage, gene transfer, nitrogen fixation, nodulation, fast-growing Phtzobium, reviews, Leguminosae 2960. nitrogen fixation, Klebsiella pneumoniae, gene expression, Azotobacter vinelandii 1280.

nod gene, Ti plasmid vectors, Rhizobium meliioti, gene expression, nodules formation, Agrobacterium tumefaciens, Escherichia coli 6366. nucleotide sequence, toxins, amino acid sequence, Corynebacterium diphtheriae

7119.
ompA gene outer membranes membrane proteins detection, Enterobacteriaceae, hybridization analysis 1616.
oncogenes, v-mos gene proteins, immunoglobulin G antisera, inhibition transformation, vaccines models, Moloney sarcoma virus 6648. pathogenicity, Erysiphe graminis, powdery mildew, host-pathogen interactions, disease resistance genes, Hordeum vulgare 2861. probes, Campylobacter Vibrio cholerae like toxins, Escherichia coli enterotoxins 5389.

53.99.
Stage of the control of the c

8754.

Boxins protection antigens, Bacillus anthracis, cloning 1083.

toxins tox gene, nucleotide sequence use, amino acid sequence predictions, Corynebacterium diphtheriae 7912.

Brosyl-IRNA synthetase, site-directed mutagenesis, structure-activity relationships, tyrosyl-IRNA synthetase, X-ray crystallography, Bacillus stearothermophilus 8573.

Brosyl-IRNA synthetase, X-ray crystallography, Bacillus stearothermophilus 8573.

Brosyl-IRNA synthetase, X-ray crystallography, Bacillus stearothermophilus 8573.

Brosyl-IRNA synthetase, X-ray crystallography, Bacillus development 2327.

virulence, Puccinia graminis f.sp.tritici, association, stem rust, geographical distribution 7972.

virulence, Puccinia graminis f.sp.tritici stem rust, Triticum aestivum 4239. xa-5 gene, Oryza sativa, bilght disease resistance, Xanthomonas campestris oryzae 6298.

y/l/A gene, Escherichia coli xylose isomerase gene expression, promoters, Saccharomyces cerevisiae 5157. yylose isomerase, xylulokinase, Escherichia coli, cloning, use, ethanol, fermentation 983.

zym gene, inheritance, linkage analysis, zucchini yellow mosaic virus disease esistance, Cucumis melo 5478.

Genetic control,

Agropyron disease resistance, infection, barley yellow dwarf virus, wheat streak mosaic virus 8089.

mosaic virus 8089, disease resistance, Triticum aestivum, powdery mildew 8101. drug resistance, bacteria, books, conferences 3389. interferon production, lae promoter, tryplac promoter 3424. Lr 13 gene, disease resistance, leaf rust, Puccinia recondita f.sp.tritici, Triticum aestivum 8069. maize dwarf mosaic virus infection disease resistance, Zea mays 2838. plasmids, aromatic compounds biodegradation, reviews 8279. toxins precursors biosynthesis, Bacilius thuringiensis 4487.

Genetic drift.

Salmonella typhimurium strains, Ames test variability 5914. Salmonella typhimurium strains, Ames test variability, analysis 5915. Salmonella typhimurium strains, Ames test variability, statistical analysis 5916.

Salmonella typhimurum strains, Ames test variability, salaysis 5914.

Salmonella typhimurum strains, Ames test variability, analysis 5915.

Salmonella typhimurum strains, Ames test variability, analysis 5916.

Genetic engineering,
aminoglycoside antibiotics production, actinomycetes 5759,
antibiotics biosynthesis, microorganisms 5764.
antigens genes, cloning, vaccines production, viruses 5807.
antigens, hepatitis B virus, vaccines, characterization 6640.
bacteria, fermentation, proteins, recovery, reviews 7812.
bacteria, ivruses vaccines production 4075.
biotechnology, cell visiones production 4075.
biotechnology, cell vision, industries, books 3367.
biotechnology, cell vision, industries, books 3367.
biotechnology, fermentation, conferences, books 4250.
brewing, Saccharomyces cerevisiae 3628.
diagnosis, plant diseases, microorganisms, electrophoresis, monoclonal
antibodies, methodology 7821.
flocculation gene transfer, ethanol production, Saccharomyces cerevisiae 4406.
gene transfer, fermentation, Clostindium, Bacillus, reviews 3993.
hepatitis B virus vaccines 2319.
live vaccines, herpes simplex virus 6622.
methylotrophia, sessociation enzymes production 4137.
microorganisms, biotechnology 5206.
microorganisms, detoxification, chlorinated hydrocarbors 4088.
microorganisms, fermentation, ethanology, characterization, books, conferences
8500.
microorganisms, fermentation strains improvements, reviews 6124.

nicroorganisms, fermentation strains improvements, reviews 6124.
microorganisms, production, enzymes 7730.
microorganisms, release, marine environment, estuanes, role, biodegradation, chemical poliution 3681. microorganisms, use, chemical pollution biodegradation, ecological evaluation 3685

nicroorganisms, use, industrial wastes pollution control 4125.
microorganisms, use, waste treatment 4126.
microorganisms, use, waste treatment 4127.
microorganisms, use, waste treatment, chemical pollution biodegradation, books,

conferences 3392.

conferences 3392.

mitochondria DNA isolation methodology, yeasts 5086.
monensin biosynthesis, Streptomyces cunnamonensis 6565.
nitrogen fixation, conferences, nitrogen-fixing bacteria, 3935.
nitrogen-fixing bacteria, plant breeding, plants, books, conferences 4243.
pharmaceuticals production, microorganisms 8652.
plant breeding, disease resistance, plant diseases 1186.
plasmids, pollutants biodegradation, reviews, bacteria 4435.
production, insulin, interferon, gene transfer, bacteria 3524.
proteins production optimization, Escherichia coli, Bacillus subtilis, yeasts

proteins production optimization isolation purification Escherichia coli 3425.

proteins production optimization, isolation, purification, Escherichia coli 3425, recombinants, vaccines production, picornavirus 6635, recombinants, vaccines production, vaccinia virus 6638. Saccharori yeso, brawing, reviews 4407. Saccharomyces cerevisiae, production, drugs, cloning vectors, methodology 7775 Saccharomyces cerevisiae, Zymomonas mobilis, ethanol, production, fermentation reviews 6112.

reviews 6112.

single-cell protein production, reviews, microorganisms 3419.

soybean milk flavor compounds, nitrosoguanidine, mutagenesis, Lactobacillus cas subsp. alactosus 3701.

thermal stability, enzymes, food industry, thermophilic microorganisms 3495.

vaccines, conferences, vruses 6800.

vaccines production, avian infectious bronchitis virus 6637.

vaccines production, herpitis B virus 6608.

vaccines production, herpitis B virus 6616.

vaccines production, influenza virus 6604.

vaccines production, influenza virus 6604.

vaccines production, influenza virus 6604.

vaccines production, rabies virus glycoproteins, gene expression, Escherichia coil 6821.

vaccines production, recombinants, poxvirus 6633.

vaccinia virus, vaccines, methodology 8385 viruses, DNA, vaccines, reviews 8386. viruses vaccines 4073.

enetic screening, Puccinia coronata disease resistance, Avena sativa 5489. Genital tract, enzyme-linked immunosorbent assay, detection, Neisseria gonorrhoeae, methudolo

enzyme-linked immunosorbent assay, detection, Neisseria gonorrhoeae, methud comparison, man 7607.
medical instruments, Chlamydia trachomatis, Neisseria gonorrhoeae, medical instruments, lubicants effects on 697.

Genitourinary tract, gonorrhoe, diagnosis, enzyme immunoassay, Neisseria gonorrhoeae 2481.

Genitourinary tract Infaction, gram-negative bacteria, antibiacterial activity, chlorhexidine digluconate + EDTA+tris, man 6456.

Strantpoorces graup B. dispetification and complete proposed and 4451.

Streptococcus group B identification methodology, pregnancy, man 2451.

Genomes,

Genomes,
bluetorigue virus, double stranded RNA, analysis methodology 4148.
characterization, vaccines production, respiratory syncytial virus 6530.
plants, structure-activity relationships, nitrogen fixation, nitrogen-fixing bacteria, plant viruses, host-pathogen interactions, books, conferences 3391.
Genotoxicity teating,
Escherichia coil 3306.
Genotype-environment Interactions,
Hemileia vastatrix, leaf rust, disease resistance, plant breeding, Coffea arabica, Coffea canephora 2872.
host-pathogen interactions, disease resistance, reviews, crops 2868.
phytopathogenic fungi, host-pathogen interactions, disease resistance, plant breeding, crops 2865.
Gentamicin, arbacterial activity. Bacteroides franilis. Bacteroides malentinososium 4014.

entamicit; antibacterial activity, Bacteroides fragilis, Bacteroides melaninogenicus 4851. antibacterial activity, clinical isolates 7444. antibacterial activity, clinical isolates, Staphylococcus 4805. antibacterial activity, Mycobacterium fortuitum, Mycobacterium chelonei 4850. antibacterial activity, Pseudomonas aeruginosa 7377.

entamicin, (continued)
antibacterial activity, Streptococcus faecalis endocarditis, animal models, ±
mezicolilin, ± empicillin 4838,
antibacterial activity, urine, pH osmotic potential effects on, Escherichia coli,
Pseudomonas aeruginosa 3108,
antibiotic resistance, clinical isolates, Escherichia coli 4004,
antibiotic resistance, Enterobacteriaceae, isolation, waste water, plasmids
transmission, 9076

transmission 9076.
antibiotic resistance, lipopolysaccharides structure, Pseudomonas aeruginosa

anubiotic resistance, Enterobacteriaceae, isolation, waste water, plasmids transmission 9076.
anubiotic resistance, lipopolysaccharides structure, Pseudomonas aeruginosa 7350.
anubiotic resistance, plasmids mediation, Staphylococcus aureus 9066.
anubiotic resistance, plasmids mediation, Staphylococcus aureus 9066.
anubiotic resistance, Plasmids, transposition, Staphylococcus aureus 9066.
anubiotic resistance, R factors characterization, clinical isolates, Staphylococcus aureus 9178.
anubiotic resistance, Salimonella typhimurium, cattle 3998.
anubiotic resistance, Salimonella typhimurium, cattle 3998.
anubiotic resistance, Salimonella typhimurium, cattle 3998.
anubiotic sensitivity testing, anutibiotic resistance resistance, Staphylococcus aureus 7424.
anubiotic sensitivity testing, disc-diffusion test, Pseudomonas aeruginosa 5778.
anubiotic sensitivity testing, Generichia coli 7440.
anubiotic sensitivity testing, gram-negative bacteria, isolation, heart surgery postoperative infection 3107.
anubiotic sensitivity testing, Proteus penneri 9162.
anubiotic sensitivity testing, Proteus penneri 9162.
anubiotic sensitivity testing, Quality control, mathematical models, Staphylococcus aureus, Escherichia coli, Pseudomonas aeruginosa 1400.
antibiotic sensitivity testing, Streptococcus faecalis 4808.
antibiotic synergism, autreonam, antibacterial activity, gram-negative bacilli, Staphylococcus aureus 5604.
antibiotic synergism, periotilin, clindamycin, metronidazole, Bacteroides metaninogenicus, Bacteroides fragilis 3118.
antibiotic synergism, periolilin G, vancomycin, celotaxime, bactericidal activity, Steptococcus gravity, Streptococcus gravity, Steptococcus gravity, Streptococcus aureus, Steptococus aure

comparison, antibiotic K-4619, antibacterial activity 7479. Escherichia coli resistant mutant, nitrofuran cross-resistance, genetic analysis

2055.

2 nafoliin, bacterioidal activity, Staphylococcus aureus, serum assays, treatment, endocardins, rabbits 478, serum levels, assays comparison, man 3106. uptake, antibiotic resistance, Staphylococcus aureus 9075. 

Bentamicin sulfate, antibiotic resistance, Staphylococcus aureus 9075. 

Bentamicin sulfate, antibiotic sensitivity testing 4852. 

Bentamicin sulfate, antibiotic sensitivity testing 4852. 

Bentamis lutes, vesicular-arbuscular mycorrhizas symbiosis detection 2131. 

Beographical distribution, Daronda, Endogonaceae, Glomus, taxonomy 8166. 

Fusanum oxysporum f.sp.vasinfectum races, Gossypium hirsutum isolation, USA 1153.

Legionella pneumophila, seasonal variations, cooling towers, USA 4130. plant diseases, pathogens host range, Seychelles 5378 puccinia graminis races, isolation, Avena sativa, Triticum aestivum, USA, Mexico

soil microorganisms, deserts, forests, USA, Arizona 7246.

1125.
soil microorganisms, deserts, forests, USA, Arizona 7246.
soomposts, suppression, damping-off, Rhizoctonia solani, Raphanus sativus 290.
soomposts, suppression, damping-off, Rhizoctonia solani, Raphanus sativus 290.
soortichum,
post-harvest decay, tomatoes, fungicides, disease control 1168.
surfaces, interaction Penicillium camemberti, role aroma compounds, ripening,
Camembert cheese 6186.
soortichum candidum,
antifungal activity, sodium dodecy/benzene sulfonate 8054.
bioreactors, cellulose hydrolysis, comparison 4441.
cellulase, cellulose hydrolysis, practors 7736.
cellulase, cellulose hydrolysis, reactors 7736.
cellulase, cellulose hydrolysis, reactors 7736.
cellulose hydrolysis, cellulase 6040.
Solitude hydroxybutanoate, 1-(1,3-dfmlan-2-yl)-2-hydroxypropane 8631.
Infection, Circullus vulgaris var. fistulosus, chemical analysis 2031.
Infection, Circullus vulgaris var. fistulosus, chemical analysis 2031.
Iysis, Cytophaga, Arthrobacter, Streptomyces griseus, single-cell protein production 6815.
Solitude solitude hydrolysis, circulation control of 872.
virulence, plant diesease, autracellular enzymes activity 7128.

wholendor, prain useases, actuational of its philosophic formation, Erysiphe pisi, relationship, direct light, comparison, Pisum sativum leaves light penetration 2774. formation, Paracoccidioides brasiliensis viability determination methodology

2535
formation, spore germination, imidazoles, antifungal activity, Trichophyton
mentagrophytes 5738.
penetration, Erysiphe graminis f.sp.hordei, powdery mildew, host-pathogen
interactions, Hordeum vulgare 8788.
Puccinia graminis f.sp.tiritici, lectins, host-pathogen interactions, rust,
Triticum aestivum 8092:
yeasts, API test detection 2528.
ermany, Fed. Rep.,
Humulus lupulus, American hop latent virus incidence 6260.
ermicides,
viruses inactivation 1347.
ermination,

conidia, Neurospora crassa, protein biosynthesis 3478. Medicago sativa seeds, Rhizobium meliloti growth, Verticillium wilt, fungicides

Germination, (continued)
effects on 1211,
pflent, Citrus limon, fungi filtrates effects on 2800.
Triticum aestivum, black point, Alternaria alternata, effects on 8800.
Germplasm.

Arachis hypogaea cultivars, disease resistance, peanut mottle virus infection 8061

. Bub i. Cucumis melo, disease resistance, Fusarium oxysporum f.sp.melonis infection 313. disease resistance, plant breeding, Brassica campestris 8065. disease resistance, plant diseases, plant breeding 1185. diseases resistance, Pseudomonas solanacearum, wilt, Solanum sucrense, Solanum

tuberosum 8090.

plant breeding, disease resistance, Erwinia carotovora, soft rot, Solanum tuberosum 7210.

ubderosum 7210. plant breeding, disease resistance, Erysiphe graminis f.sp.hordei, powdery mildew, Hordeum spontaneum 5496. screening, disease resistance, Ascochyta rabiei blight, plant breeding, Cicer arietinum 8093.

Trifolium hybridum, infection, bean yellow mosaic virus, clover yellow vein virus

Triticum, analysis, Septoria tritici leaf blotch pathogenesis 257.
viruses infection, Solanum tuberosum 8882.
Zea mays, comparison, disease resistance, maize dwarf mosaic virus 8091.

adsorption, viruses, isolation, water 6750.

Gibberella Imperatae sp.nov.,
plant diseases, Imperata, characterization 7950.

plant diseases, imperata, characienzation 7500.

(Gibberella zese,
ear rot disease resistance screening projects, Zea mays 4580.
ear rot, disease resistance, zearalenone, 4-deoxynivalenol, production, hybrids,
plant breeding, Zea mays 1180.
symptomiess infection, Zea mays seeds, role, disease resistance, Pythium
debaryanum infection 8792.

(Gibberellic acid,
hierourhiasis, whay fermentation. Fusarium moniliforme, mathematical models 51

biosynthesis, whey fermentation, Fusarium moniliforme, mathematical models 5970. Globerellins,

foliar application, disease control, Pythium myriotylum, root rot, Arachis hypogaea 322. production, Streptomyces, Bacillus, Azotobacter 8229. roots levels, Bradyrhizobium japonicum nodulation, nitrogen fixation, Glycine max 8242.

Giberella zeae, root rot, effects on carbofuran translocation Zea mays 259.

root rot, enects on teasons and teasons are teasons and teasons and teasons and teasons are teasons and teasons and teasons and teasons are teasons are teasons and teasons are teasons are teasons are teasons are teasons are teasons and teasons are teasons are teasons are teasons are teasons are teasons and teasons are teasons ar

+roots, comparison, vesicles, use, inoculum 2153.
ultrastructure, microscopy, fixation methodology, reviews 834.
Glgaspora calospora,
spore germination, hyphae growth, temperature effects on 402.
Glgaspora decipiens,
inoculum potential, competition, Glomus tenue, Glomus fasciculatum, plants 8973.
Glgaspora erythropa sp.nov.,
vesicular-arbuscular mycorrhizas, soil isolates 6349.
Glgaspora ergigantee,
vesicular-arbuscular mycorrhizas, inoculum production, Allium cepa 4632.
Glgaspora eherogama.

Vesticular-arruscular in yeormizas, inoculiim production, Allium cepa 4632.

Gigaspora heterogama, sporulation, phosphate soil amendment induction, Paspalum notatum 2134.

Gigaspora margarita, growth, in vitro, tissue culture, Prunus avium 5926.

roots colonization, calcium oxide, soil amendment effects on soil pH, Zea mays

roots colonization. Malus domestica 8218.

roots colonization, Malus domestica 8218.
sporulation, phosphate soil amendment induction, Paspalum notatum 2134.
vesicular-arbuscular mycorrhizas. Meloidogyne incognita, mixed infection, phosphorus interaction, Lycopersicon esculentum 371.
vesicular-arbuscular mycorrhizas, sporulation, colonization roots, pure culture, Lycopersicon esculentum 8481.
Glivocarcin M, desprison physicochamical properties 6580.

identification, physicochemical properties 6580. Glivocarcin V,

identification, physicochemical properties 6580.

Streptomyces gilvotonareus, derivatives biosynthesis 954

oral hygiene effects on, maxilla surgery, man 6726.

corm rot, Fusarium, disease resistance 2063. Glass.

association, ammonium, use, disinfection, water 7527. containers, shake culture, silicone coatings effects on Penicillium cyclopium adherence 835. Glass beads.

carriers, Mycoplasma gallisepticum culture methodology 1571.

Gleditsia triacanthos ver.inermis,

Nectria cinnabarina canker, susceptibility, benomyl, disease control 3915.

Gliociadium,

indiciadum, biodelerioration, postal stamps paper 3649. composts, suppression, damping-off, Rhizoctonia solani, Raphanus sativus 290. composts, suppression, damping-off, Rhizoctonia solani, Raphanus sativus 290. mycotoxins, levels, Roquefort cheese, Egypt 7058. Gliocladium roseum,

Ilociadium rosevum, anatoponism, Hizobium growth, in vitro 7248. biodeterioration, polyurethane, characterization 1034, hyperparastitsm, biological control, Rhizoctonia solani, mycelia soil amendment, Solanum tuberosum 2089.

Gllocladium virens, carriers, biological control, Rhizoctonia solani 8919. Globoder rostochlensis, biological control, pathogens, observation methods, fungi 5224. fungicides, soil amendment, disease control, Solanum tuberosum 8121

Globomycin, effects on Escherichia coli outer membranes, resistant mutant formation 6556.

effects on Escherichia coli outer membranes, resus Gloeocerospora sorghi, sheath blight, pathology, Sorghum bicolor 4518. Gloeophyllum abletinum, brown rot, wood decay, Plinus 8947. Glomerella cingulata, anthracnose, fruit rot, Fragaria, USA, Florida 8047. 2-methyl-2-aryloxyacetic acids reduction 8681.

2-methyl-2-aryloxyacetic acids reduction 8681.

Glomus,
Glomus,
Glomus,
Glomus,
Glospora, mixed culture, methodology, reviews 828.

inoculum potential, colonization, rotos density, Medicago truncatula 8217.

inoculum production, reviews 826.

mixed infection, tobacco mosaic virus, Lycopersicon esculentum, electron microscopy 4535.

plants roots, measuring techniques, reviews 825.

population levels, roots colonization, plantations, Coffea arabica 5626.

+-roots, comparison, vesticles, use, inoculum 2153.

spores, soil, Israel 6337.

sprincips, Agropyron smithii, effects on water relations 6342.

taxonomy, ecological distribution, geographical distribution, Canada 8166.

uttrastructure, microscopy, fixation methodology, reviews 834.

vesicular-arbuscular mycorrhizas, inoculation, nutrient uptake, growth, Hordeum vulgare, Zea mays, Flsum sativum 7257.

vesicular-arbuscular mycorrhizas, inoculation, stimulation growth, latex levels, Parthenium argentatum 5622.

Glomus caledonium, colonization, organic matter 6344, endomycorrhizas, inoculation, roots colonization, competition, plants 5568, protection Phytophthora fragariae, red core, Fragaria vesca 5448.

soil surnival 5644.

son survival coeffi-spore germination, hyphae growth temperature effects on 402. Glomus caledonlus, inoculum density, effects on nutrient uptake, Trifolium repens 8214. +Rhizobium meilioti, effects on growth, Medicago sativa 6341.

+ Philizobium mellioti, effects on growin, Medicago sativa 0341.

Glomus carum,
endomycorrhizas, inoculation, roots colonization, competition, plants 5568.
sporulation, phosphate soil amendment induction, Paspalum notatum 2134.

Glomus epigaeum,
vesicular-arbuscular mycorrhizas, soil temperature effects on colonization, USA,
Kansas, Triticum aestivum 7259.

Glomus epigaeus,
effects on host plants growth, association, clays media 2136.
inoculum density, effects on nutrient uptake, Trifolium repens 8214.

Glomus etunicatus,

symbiosis, Citrus macrophylla, effects on viruses plant diseases pathogenisis

Glomus fasciculatum

Iomus fasciculatum, effects on Rhizobium leguminosarum var.trifolii nodulation, Trifolium subterraneum 5615, enhancement, Pelargonium, growth 2944, enhancement, Trifolium subterraneum, Pelargonium, growth, association, phosphorus

enhancement, Triloium subterraneum, Pelargonium, growth, association, phosphoru 2943.

hyphae oformation, phosphorus effects on, Triloium 8934.
hyphae, ultrastructure, roots, Trifoilum repens 8226.
hyphae, ultrastructure, Trifoilum subterraneum, Medicago inoculation, Eleusine coracana, greenhouses screening 2145.
inoculum potential, colonization, roots density, Trifoilum subterraneum, Medicago truncatula 8217.
Inoculum potential, competition, Glomus tenue, Gigaspora decipiens, plants 8973.
inoculum potential, plants 8972.
pH, ammonium nitrate ratio effects on, phosphorus, nutrient uptake, roots colonization, Chrysanthemun morifoilum 6422.
+Rhizzoilum, +phosphate, inoculation, Vigna unguiculata, Cajanus cajan 2945.
roots colonization, Malus domestica 8216.
svsicular-arbuscular mycorrhizas, inoculation, cop fields soil, field trials 7253.

vesicular-arbuscular mycorrhizas, inoculation, crop fields soil, field trials 7253, 
vesicular-arbuscular mycorrhizas, inoculation, yield, citrus 3932. 
vesicular-arbuscular mycorrhizas, stimulation growth, nutrient uptake, Arachis hypogaea 5641. 
Glomus faciculatus, enhancement, growth, Glycine max, symbiosis 2135. 
inoculation, growth stimulation, Chrysanthemum morifolium 1269. 
symbiosis, Hipopohae rhamnoides 2927. 
vesicular-arbuscular mycorrhizas, Fihizobium, inoculation, yield, Leucaena 
leucocephala 7276. 
vesicular-arbuscular mycorrhizas, inoculation, +fertilization, effects on growth, 
Fraxinus americana, Juglans nigra 7229. 
vesicular-arbuscular mycorrhizas, phosphate nutrient uptake, interaction 
actinorrhizas nitrogen fixation, Hipopophae rhamnoides 8243. 
Vesicular-arbuscular mycorrhizas, phosphate nutrient uptake, interaction 
actinorrhizas nitrogen fixation, Hipopophae rhamnoides 8243. 
Sombias interactions, interactions, action fixation, photosymhates distribution 8219. 
Symbiosis, seedings, Citrus aurantium, Poncirus tiriollata× Citrus sinensis, 
association, photosymhates distribution 8219. 
Glomus macrocarpun, 
soll aeration, carbon dioxide effects on symbiosis, Eupatorium odoratum, Guizotia 
dyssinica, Sorghum bicolor 3937. 
Glomus macrocarpun, 
soll aeration, carbon dioxide effects on symbiosis, Eupatorium odoratum, Guizotia 
dyssinica, Sorghum bicolor 3937.

anyssinica, Sorginuli rucción 3937:

Glomus macrocarpus,

effects on host plants growth, association, clays media 2136.
infection, daylength effects on, Eupatorium odoratum, Guizotia abyssinica 6977.
infection, light intensity effects on, Eupatorium odoratum, Capsicum annuum 8975.
nutrient uptake, soil aeration effects on, Eupatorium odoratum, Sorghum bicolor,

Chistopia abyssizinica 1556.

Guizotta abysainica 1256 - Guizotta abysainica 1256 - vasicular-arbuscular mycorrhizas, inoculation, soil temperature, oxygen effects on, growth, Eupatorium odoratum 7256. vasicular-arbuscular mycorrhizas, inoculum production, Allium cepa 4632.

Glomus manihotis, inoculation, fertilizers requirements, yield, Manihot esculenta 2934.

Glomua margarita, vesicular-arbuscular mycorrhizas, inoculum production, Allium cepa 4632

Glomus monosporum, vesicular-arbuscular mycorrhizas, inoculation, crop fields soil, field trials

Glomus monosporus, effects on host plants growth, association, clays media 2136. Glomus mossese, Allium cepa resistance, heavy metals soil pollution 383. colonization, organic matter 6344. effects on Rhizobium leguminosarum var.trifolii nodulation, Trifolium subterraneum 5615

growth models, symbiosis, roots, Allium porrum 3934, inoculation, stimulation phosphorus uptake, seedlings growth, Malus domestica

nitrogen uptake, Apium graveolens 1259.
nutrient uptake, soil aeratino reflects on, Eupatorium odoratum, Sorghum bicolor, Guizotta abyssinica 1266.
grotection Phytophinora fragariae, red core, Fragaria vesca 5448.
+ Hhiz

6355.

Hillizobium inoculation, nitrogen fixation, fertilizers effects on, Trifolium repens, Allium porrum 5528.

Hillizobium meilioti, effects on growth, Medicago sativa 6341.

Hillizobium, symbiosis, effects on, Acacia holosericea, Acacia reddiana, growth

8969

roots, carbon sources, phosphate, roots, mycelia, Acer pseudoplatanus 5555. roots colonization, calcium oxide, soil amendment effects on soil pH, Zea mays

roots colonization, Malus domestica 8218

roots colonization, Malus domestica 8218. sporulation, phosphate soil amendment induction, Paspalum notatum 2134. vesicular-arbuscular mycorrhizas, Allium porrum, effects on copper uptake 384. vesicular-arbuscular mycorrhizas, Akzospirilium brasilense, inoculation, nitrogen fixation, nutrient uptake, yield, Zea mays, Lolium perenne 1257. vesicular-arbuscular mycorrhizas, Meloidogyne incognita, mixed infection, phosphorus interaction, Lycopersicon esculentum 371. vesicular-arbuscular mycorrhizas, phosphate fertilizers interaction, effects on Medicago sativa 3946.

vesicular-arbuscular mycorrhizas, soil temperature effects on colonization, USA, Kansas, Triticum aestivum 7259.

Glomus tenue, inoculum potential, competition, Glomus fasciculatum, Gigaspora decipiens, plant 8973.

ulum potential, plants 8972.

inocuturi potentiary.

3-D-Glucan,

biodegradation, Rhizopus exo-1,3-β-D-glucanase 3670.

carbohydrate composition, antitumor antibiotics, structure, Grifola frondosa

5208.

\$tructure, Grifola frondosa 6057.

1,8-c-Glucan branching enzyme,
purification, characterization, Streptococcus mutans 27.

D-Glucan sucrase,
substrate specificity, Streptococcus mutans 6830.

1,3-c-D-Glucan synthase,
isoelectric focusing, Streptococcus mutans 28.

1,6-c-D-Glucan synthase,

1,6-c-U-Glucan synthase,
s isoelectric focusing, Streptococcus mutans 28.
1,3-p-D-Glucanse,
biosynthesis, cyclic AMP regulation, Bacillus circulans 6036.
1,6-p-D-Glucanse,
biosynthesis, cyclic AMP regulation, Bacillus circulans 6036.
Glucans,
biosynthesis, enzymes, ribocitrin, effects on, Streptococcus n

biosynthesis, enzymes, ribocitrin, effects on, Streptococcus mutans 3157. biosynthesis inhibition, Papularia sphaerosperma papulacandin B, Saccharomyce, cerevisiae, Candida ablocans 1440.

biosynthesis, binoclinti, inhibition, Streptococcus mutans 3155. biosynthesis, Streptococcus mutans 109. Grifola frondosa fruit bodies, antitumor activity, sarcoma 180, mice 6891. hydrolysis, chemical modification, Candida guilliermondii, Saccharomyces cerevisiae 6942

hydrolysis, chemical modification, Candida guilliermondii, Saccharomyces cerevisiae 6942.

β-Glucans, batch culture, continuous culture, industrial applications, Alcaligenes faecalis var.myxoganes 8621. biosynthesis, papulacandin B, effects on, Schizosaccharomyces pombe 2223.

β-D-Glucans, Ganoderma applanatum, biosynthesis, antitumor activity 2637. structure, Agrobacterium, Rhizobium 948.

1,3-β-D-Glucans, hydrolysis, yeasts membranes, glycosylation 1883. Glucoiosaccharinte acid, biodegradation, Ancylobacter 2717. Gluconis, Calendria, Calendri

prevention, feedback inhibition, dextranase biosynthesis, Lipomyces starkeyi

Glucosaminephosphate Isomerase, purification, characterization, Escherichia coli 6841. Glucosaminephosphate Isomerase (glutamine-forming), bacteria, anticapsin, inhibition 8382.

Glucosamines, levels, biomass measuring techniques, fungi 6791.

Glucose, addition, blood culture, Streptococcus viridans 2497 addition, blood culture, Streptococcus viridans 2497

Agrobacterium turnefaciens, polysaccharides biosynthesis, role lipids 6886. ammonium tartrate, degradation, media (culture), liquid culture, sterilization, autoclaves 8490

batch culture, fermentation, glucose, acetone, Clostridium acetobutylicum 3545. bicarbonate, acetic acid, effects on, digestion (anaerobic), waste treatment

carbohydrates catabolism, effects on aflatoxins biosynthesis, Aspergillus parasiticus 8723.

Locae, (continued)
Darbon sources, nutrient concentrations, aeration, 2,3-butanediol production, Ribebsiella pneumoniae 3547.
Sellobiose, xyfose, mixtures, ethanol production, mixed culture, Clostridium saccharolyticum, Zymomonas anaerobia 8661.
Sorwersion, maltose, isomaltose, kineticies, exo-1,4-α-D-glucosidase, Rhizopus niveus, Aspergillus niger 3464.
Arfects on β-D-galactosidase activity, Vibrio cholerae 8609.
Selfects on Thermomonospora fusca β-D-glucosidase activity 1796.
Selfects on Thermomonospora fusca β-D-glucosidase activity 1804.
Selfects on Thermomonospora fusca cellulase activity 1804.
Selfects on Thermomonospora fusca β-D-glucosidase general self-glucosidase place glucosidase general self-glucosidase glucosidase glu

fermentation, ethanol production, factors affecting, Saccharomyces carlsbergensis fermentation, ethanol production, fermenters, immobilized cells, Saccharomyces cerevisiae 3606.

Gerevisiae 3606. [fermentation, ethanol production, Saccharomyces cerevisiae 8655. [fermentation, glucose effects on, batch culture, Clostridium acetobutylicum 3545. [fermentation, glycerol, production, Pichia farinosa 3609. [fermentation, isocitric acid production, Candida ravautii 5961. [fermentation, lactic acid production, reactors, Lactobacilius delbreuckii 864. [fermentation, limiting factors, dainy starters, Streptococcus lactis 6994. [fermentation, methanogenesis, Michaelis-Menten parameters, methanogenic bacteria 3256. 8266

8266.
fermentation, production, acetone, butanol, batch culture, Clostridium acetobutylicum 4383.
fermentation, products, pH, effects on, Bacillus macerans 2690.
fermentation, sensors 3530.
fermentation, sensors 3531.
fermentation, 1-butanol production, Clostridium cochlearium, Clostridium tetanomorphum 8648.
fermentation, 2-3-butanoliio production, Bacillus polymova 7782.

tetanomorphum 8648.
fermentation, 2,3-butanediol production, Bacillus polymxya 7782.
fermentation, 2,3-butanediol production, Bacillus polymxya 7782.
formation, Trichoderma hydrolysis cellulose, kinetics mathematical models 1798.
Fusarium oxysporum fermentation 1860.
isomerization, fructose, bioreactors 8534.
isomerization, microorganisms, immobilized enzymes, sweeteners production, starch, Zea mays 5188.
isomerization, xylose isomerase, immobilized enzymes, high-fructose corn syrup production 5145.
[isomerization, xylose isomerase, immobilized enzymes, high-fructose corn syrup lignocelluloses, call walls staem dispution, asticia.

production 5145. [ignocoliuloses, cell walls, steam disruption, cellulase hydrolysis 5278. metabolism, bacteria, counting methods, food contamination 6177. nutrient deficiency, growth, mathematical models, computer applications, Escherichia coli 4173. Escherichia coli 4173. Swidation, immobilized enzymes, Aspergillus niger glucose oxidase, catalase, liver, cattle 2578. production, a-amylase reviews, a-D-glucosidase applications, Bacillus licheniformis, Bacillus amyloliquetaciens 4380. production, cellulase, hydrolysis, hardwoods 5160. production, cellulase, hydrolysis, hardwoods 5160. production, cellulase, hydrolysis, hardwoods 5160. production, gellulase, hydrolysis, hardwoods 5160. production, activities and the second production of the second production, cellulase, activity. Pricipal Production, activities and production of the second production of t

3983.
Tresidues, identification, aspartyl-IRNA synthetase, Saccharomyces cerevisiae 907.
Tiboxine biosynthesis, effects on, Bacillus subtilis 1411.
Soil microorganisms biodegradation, soil pollution effects on, calorimetry 2933.
stereospecificity, hexokinase, catalysis, Saccharomyces cerevisiae 6853.
uptake, Ceratobasidium cornigerum, symbiosis, Goodyera repens, Dactylorhiza purpurella 5645.

isomerization, bioreactors, Streptomyces phaeochromogenes, immobilized cells, comparison, glucose isomerase, immobilized enzymes, characterization 7746. 
ucose Isomerase, activity, immobilization, radiation polymerization, Streptomyces phaeochromogenes 5178.

cetts cellular enzymes, characterization, Chainia 7742.

immobilized enzymes, comparison, Streptomyces phaeochromogenes, immobilized cells, D-glucose, isomerization, bioreactors, characterization 7746.

immobilized enzymes, reactors, mass transfer, mathematical models, Streptomyces 5168

5168.
production, bacteria, characterization 2618.
production, temperature, U.V. radiation, mitomycin C, acriflavin, effects on,
Streptomyces fradiae 6598.
tecese metabolism,
fermentation, growth, mathematical models, Saccharomyces cerevisiae 6121.
single-cell protein production, mathematical models, Chaetomium cellulolyticum
5958.

ucose oxidase Aspergillus niger+catalase, immobilized enzymes, glucose oxidation, liver, cattle 2578.

Aspergillus niger + catalase, immobilized enzymes, glucose oxidation, liver, cattle 5278.

Aspergillus niger association, Caldariomyces fumago, chloride peroxidase, use, bicelectrochemical cell, chemicals synthesis 6076.

Aspergillus niger mycelia, immobilization 1739.

Aspergillus niger mycelia, immobilization nycelia, immobilization, affects on activity, stability, Penicillium vitale 7743.

Immobilization methodology 4300.

Immobilization periodication, aspergillus niger 1770.

Immobilization periodication, aspergillus niger 1870.

Immobilization periodication, aspergillus niger 1870.

Interest mycelia immobilization nethodology afformation properties in activity, stability, Penicillium vitale 7743.

Immobilization methodology 4300.

Immobilization periodication, caltarion periodication, aspergillus niger 8597.

Aspergillus niger mycelia, immobilization, netword purification, characterization, Aspergillus niger 8597.

Aspergillus niger mycelia, immobilization purification, capacterium tumefaciens 2810.

Islutation, crown galutumors, Agrobacterium utumefaciens 2810.

Islutarional utumors, Agrobacterium utumefaciens 2810.

Islutarional utu

α-D-Glucosidase, (continued) applications, β-amylase reviews, maltose, glucose production, Bacilius licheniformis, Bacilius amyloliquefaciens 4360 biotechnology, reviews, microorganisms 2596 gene expression, Saccharomyces cerevisiae 3442 Lactobacillus acidophilus, biosynthesis, physicochemical properties 98. nodules, Glycine max, symbiosis, Bradyntizobium japonicum 6363, purification, characterization, electrophoresis, Bacilius stearothermophilus 6383.

653.

B-D-Glucoeldase,
activity, cellobiose biodegradation, soil microorganisms 3672.
activity, flects on dairy products shelf life, Pseudomonas fluorescens 6197.
activity, role cellulose biodegradation, immobilized cells, Alcaligenes faecalis

cellobiose hydrolysis, Thermoanaerobacter ethanolicus 3493. characterization, Cellulomonas fimi 6833. characterization, Trichoderma longibrachiatum 4346.

enhancement, role, methyl-β-D-glucoside, cellobiose, Streptomyces granaticolor 4345.

enzymatic activity production, Cellulomonas growth, carbohydrates substrates 32. excretion, carbon sources, cellobiose, cellulose effects on, Schizophyllum excretion, carbon sources, cellubiose, cellubiose effects on, \$chizophyllum commune 6874.

extracellular, production, liquid culture, Penicillium funiculosum 919.

Humicola, characterization 1740.

immobilization, use textiles, hydrophobicity 5142.

immobilized enzymes, characterization 3491.

immobilized enzymes, interaction, Zymomonas mobilis immobilized cells 18.

immobilized enzymes, kinetics, polymers solubility, Penicillium funiculosum 5134.

induction activity, mycella, Trichoderma reesei 4298.

induction analysis, Monilia 5184.

kinetics, substrates affinity, Aspergillus pryzae 1787.

induction analysis, Monilla 5184.

Penicillium tuniculosum, hydrolysis cellulose 877.

production, Aspergillus phoenicis 3445.

production, mutants, Alternaria alternata 3453.

production, mutants, Alternaria alternata 3463.

purflication, activity, biosassays, fungi 5166.

purflication, characterization, conidia, fruit bodies, Termitomyces 6844.

purflication, characterization, Trichoderma longibrachiatum 4342.

purflication, rhenderma longibrachiatum 5991.

Saccharomyces cerevisiae, immobilized cells+immobilized enzymes, cellobiose conversion, ethanol production 8664.

Solanum laciniatum glycoalkaloids hydrolysis, Aspergillus 1006.

thermal stability, Thermomonospora 4344.

thermal stability, Thermomonospora 4344.

thermal stability, Thermomonospora 4344.

Thermomonospora lusca, activity, saccharides effects on 1796.

Clucoelnol, rapessed meals, biodegradation, Bacillus cereus, Trichosporon cutaneum 1042.

Internitoriospora lusca, activity, sacchanoes effects on 1796.

Glucosinol, rapaseed meals, biodegradation, Bacillus cereus, Trichosporon cutaneum 1042. 
PD-Glucuronidase, assays, gas chromatography, Escherichia coli 3762. 
assays, gas chromatography, Escherichia coli 3762. 
assays, gas chromatography, Escherichia coli 3762. 
Septoria nodorum, disease resistance components. Triticum aestivum seedlings 302. 
Septoria nodorum, Triticum aestivum seedlings, factors affecting 7149. 
Glutamate dehydrogenase, immobilized enzymes, characterization, Aspergillus ochraceus 92. 
nitrogen sources metabolism, regulation chloramphenicol biosynthesis, 
Streptomyces venezuelae 4854. 
L-Glutamate oxidase, biochemical characteristics, Streptomyces suprification, characterization 2574. 
use assays, glutaminase, aminopeptidase (cytosof), koji, Aspergillus oryzae 7853. 
Glutamate synthase, 
nitrogen sources metabolism, regulation chloramphenicol biosynthesis, 
Streptomyces purfication, characterization 2574. 
use assays, glutaminase, aminopeptidase (cytosof), koji, Aspergillus oryzae 7853. 
Glutamate oxurces, metabolism, regulation chloramphenicol biosynthesis, 
Streptomyces wenezuelae 4854. 
Glutamate oxurces, association, Rhodospirillaceae hydrogen production, use,

articamic acto, nitrogen sources, association, Rhodospirillaceae hydrogen production, use, organic actids 1843.

overproduction, relabolic pathways, reviews, Corynebacterium glutamicum 7687. production, termentation, optimization, mathematical models, Brevibacterium divaricatum 5964.

uptake, cooling water, temperature effects on, heterotrophic bacteria 1493.

-Giutamic actid, overproduction, mutants, transformation, Brevibacterium (activity).

L-situamic actor, overproduction, mutants, transformation, Brevibacterium lactofermentum 5116. Glutaminaee, activity measurements, colorimetry methodology, soil 8212. koji, assays, use L-glutamate oxidase, Aspergillus oryzae 7853. purification, characterization, Saccharomyces cerevisiae 6866.

nhibition, penicillium chrysogenum, penicillin, biosynthetics 4049.

inhibition, penicillium chrysogenum, penicillin, biosynthetics 4049.
Glutamine synthase,
cross-reactivity, Rhizobium leguminosarum, Pisum sativum nodules 3956.
Glutamine synthetase,
Mycobacterium avium, purification, characterization 5119.
purification, characterization, Aspergillus niger 8597.
purification, characterization, Nitrobacter agilis 6002.
Glutaminopine,
isolation, crown gall tumors, Agrobacterium tumefaciens 2810.
Glutaraidehyde,
antibacterial activity, surfactants effects on 9261.
biodegradation, acclimatization, activated sludge 4112.
fixation, erythrocytes, adenovirus (human), hemagglutination 2440.
steniization, disinfection 1362.
Glutaredoxin,

Glutathione synthetase, purification, characterization, Escherichia coli 6849. Glyceollin, antifungal activity. Phytophthora megasperma f.sp.glycinea 1207. Glycere dibranchiata, hemocoel, body fluids, bactericides, bactericidal activity, Serratia marcescens

451.

(4S)-Giyceraldehyde acetonide, stereo selectivity, association, β-lactam antibiotics; intermediates, synthesis 3173.

Glyceraldehyde-phosphate dehydrogenase, activity, NAD analogs birgiding, Bacillus stearothermophilus 1790. cysteine residues, NAD\* fluorescent probes photoaffinity labelling, yeasts add. 892 Glycerol,

um tartrate, density gradients, separation techniques, viruses, feces, +notas: man 1555.
production, deficient mutant, alcohol dehydrogenase, Saccharomyces cerevisiae

3642.
production, fermentation, yeasts 7770.
production, glucose, fermentation, Pichia farinosa 3609.
Glycerol dehydrogenase,
purfication, characterization, Cellulomonas 8591.
Glycerol kinase,
purfication, characterization, molecular weight, Microsporum gypseum,
Epidermophyton floccosum 5987.
Glycerophosphate,
Tris, use, media (culture), bacteria 7579.
Glycinase,

Tris, use, metre tournes, some and the defendence of Chycine, stimulation proteins excretion, Bacillus mesentericus 1725.

Glycine betaine, effects on sodium chloride tolerance, Rhizobium meliloti nitrogen fixation 2159. enhancement, nitrogenase, biosynthesis, osmotic stress, inhibition, nitrogen fixation, Klebsiella pneumoniae 6354.

Glyche max, Bradyrhizobium japonium, sulfur dioxide, nitrogen dioxide, effects on, growth 8992.

association. Bradythrizobium japonicum, sulfur dioxide, nitrogen dioxide, effects on growth 892.

Basidomycetes and diseases, pathogenesis 1111.

Basidomycetes be virus, diseases transmission, population density, Cerotoma trifurcata distribution 243.

Beans, luices, sugars fermentation, lactic acid. Lactobacilius cellobiosus 5316.

Beans, juices, sugars fermentation, Lactobacilius cellobiosus 6980.

biodegradation, soil nitrogen-15 levels association 2959.

blight, Fusarium oxysporum, disease reservoirs, weeds 8770.

blight, Fusarium oxysporum, disease reservoirs, weeds 8770.

blight, Fusarium oxysporum, disease reservoirs, weeds 8770.

blight, Fusarium oxysporum noculation effects on seeds yield, nitrogen, genetic variance, inheritance 5660.

Bradythizobium japonicum nodulation, nitrogen fixation, infection, bean pod motitie virus, soybean mosaic virus, effects on 7140.

Bradythizobium japonicum strains inoculum, nodulation, nitrogen fixation, seeds protein composition 8247.

bud blight, cowpea severe mosaic virus, Brazili 6228.

buds protiferation, plant viruses infection, Scaphytopius cautus disease transmission, USA, Louisiana 4510.

cell culture, hydroxymethylgulatryl-CoA reductase activity, Phytophthora megasperma f.sp. glycinea cell walls effects on 5507.

cell culture, hydroxymethylgulatryl-CoA reductase activity, phytophthora megasperma f.sp. glycinea cell walls effects on 5507.

cell culture, hydroxymethylgulatryl-CoA reductase activity, phytophthora mole, protection 4509.

Cornyebacterium flacoumfaciens tan spot, epidemiology, USA, lowa 248.

cyclic AMP infection, Phytophthora megasperma f.sp. glycinea infection 2782.

disease resistance Rcs gene, Cerospora sojina leafspot 1172.

disease tolerance, rot, Phytophthora megasperma f.sp. glycinea infection 2782.

disease resistance Rcs gene, Cerospora sojina leafspot, disease resistance, Rcpm gene 1202.

gene 1202 gene 1202. downy mildew, Peronospora manshurica, surveys, USA, Iowa 7937. energy balance, nitrogen fixation, nitrogenase, nodules respiration, Rhizobium 8251.

8251.

Registration, phropen fixation, Rhizobium japonicum 2154, tungi infection, pathogenicity 240. fungi infection, pathogenicity 240. fungicides foliar applications, prophylaxis, disease control, plant diseases, USA, Georgia 8118. glbberellins, roots levels, chlormequat chloride, effects on nitrogen fixation, nodulation, Bradyrhizobium japonicum 8242. Glomus fasciculatus, enhancement, growth, symbiosis 2135. host-pathogen interactions, c-mannans tocalization, hyphae, Phytophthora megasperma f.sp. dycinea 7941. interspecific relationships, regulation, nodulation, Bradyrhizobium japonicum 8997. solution, Phytophthora megasperma f.sp. dycinea 7941.

nierspocinic relationships, regulation, nodulation, Bradyrhizobium japonicum 8997.

isolation, Phytophthora megasperma f.sp.glycinea races, new taxa, USA, Mississipp i 7935.

leaves, Pseudomonas glycinea disease resistance, hypersensitive response 319.

leactins, aggluthation, Bradyrhizobium japonicum 3953.

metribuzin resistance, Rps1 gene, linkage, disease resistance Hm gene, rot, Phytophthora megasperma f.sp.glycinea 2064.

nitrogen fixation, acetylene reduction, nodulation, mutants, Rhizobium 2989.

nitrogen fixation, acetylene reduction, relationship ureides levels, environmental factors 2162.

nitrogen fixation, nodulation, herbicides, fungicides seed treatments effects on, incoulation, Bradyrhizobium japonicum 8998.

nitrogen fixation relationship, carbohydrates contents 2992.

nitrogen fixation, Rhizobium japonicum, soil salinity effects on 2163.

nitrogen fixation, Rhizobium, introgen-15, measuring techniques, crop fields 7289.

7289.
7289.
7289.
7289.
7289.
7289.
7389.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.
7489.

nodulation, histopathology, Rhizoctonia solani, m-hydroxyphenylacetic acid, m-methoxyphenylacetic acid, effects on 1119. nodulation, inoculation, Rhizobium 6371.

Glycine max, (continued)
nodulation, inoculation, Rhizobium japonicum 2952.
nodulation, nitrogen fixation, Azotobacter+fungi+Rhizobium japonicum mixed
culture effects on 2172.

culture effects on 2172.

nodulation, Phizobium japonicum strains competition 408.

nodulation, root hairs infection, role Rhizobium japonicum, capsules polysaccharides, Glycine max 2970.

nodulation, seed treatments, carbofuran + Rhizobium inoculation 2990.

nodulation, seed treatments, carbofuran + Rhizobium inoculation 2990.

nodules, Bradyrhizobium japonicum 6362.

nodules, Bradyrhizobium japonicum bacteroids, denitrification pathway 8995.

nodules, nitrogen fixation, acetylene reduction measurement, acetylene concentrations 7293.

nodules, nitrogen fixation, respirometry, measuring techniques 324.

nodules, nitrogen fixation, rusten oxidase subunits, Rhizobium infection 4668.

nodules, nitrogen fixation, urate oxidase subunits, Rhizobium infection 4668.

nodules, nitrogen fixation, urate oxidase subunits, Rhizobium infection 4668.

nodules, nitrogen fixation, urate oxidase subunits, Rhizobium infection 4668.

nodules, nitrogen fixation, sespirometry, measuring techniques 324.

phylioplane, propolation, service programms, leaves lesions, ultrastructure 8773.

phylioplane, furgi, Azotobacter chrococcuum, secretions, effects on 7252.

phylopathogenic furgi, plant diseases, disease control, pesticide applications

phytopathogenic fungi, plant diseases, disease control, pesticide applications association rainfall 1220.

Phytophthora megasperma f.sp.glycinea races isolation, distribution, USA Nebrask 246.

246.
Phytophthora root rot, biological control, Hypochytrium catenoides 5510. Phytophthora root rot, biological control, Hypochytrium catenoides 5510. plant breeding, disease resistance, fungi, bacteria, viruses 5473. plant breeding, disease tolerance heritability, rot, Phytophthora megasperma 1.sp, glycinea 8078. plant breeding, disease tolerance selection, rot, Phytophthora megasperma 1.sp, glycinea 8079. plant diseases, cowpea middle mottle virus, ultrastructure, leaves cells 4505. proteins, textured soy protein, beef, minced meat, acidification effects on hacteria growth, spoilage 6987. Rhizobium inoculation, effects on yield 5677. Rhizobium inoculation, effects on yield 5677. Rhizobium japonicum inoculation methodology, Saudi Arabia 2953. hizosphere, straw soil amendment effects on, population levels, Biradyrhizobium japonicum 7282. root rot, stem rot, Phytophthora megasperma f.sp.glycinea, virulence, USA, New York 8776. roots age, Rhizobium japonicum inoculation, dose-response effects, nodulation

Tork 87/5. Phizobium japonicum inoculation, dose-response effects, nodulation 2166. Phizobium japonicum nodulation, penicillin sensitivity 5655. rust, disease spread, pathogenicity, association, economics 7944. Sclerotinia scierotiorum stem rot, agricultural practices effects on pathogenesis

1120.
seed germination, Rhizobium japonicum growth, fungi pathogens, pesticides effect on 1212.
seed treatments, fungicides 1229.
seed treatments, streptomycin+erythromycin+benomyl, stimulation, rhizosphere colonization, Bradyrhizobium japonicum 9017.
seeds extracts effects on Saccharomyces cerevisiae cell culture 5089.
seeds, fungal fora, detection, pH, water 289.
seeds, oils extraction, proteotytic enzymes, Bacillus subtilia 3494.
seeds, planting, Bradyrhizobium japonicum nodulation, incoulation 6352.
seeds, seed-borne diseases, Phomopsis infection, harvesting dates effects on 8778.

8778. soybean mosaic virus disease resistance genes, inheritance 2853. soybean mosaic virus infection, disease transmission, Myzus persicae 1973. soybean mosaic virus infection, disease transmission, Myzus persicae 1973. sterols, fermentation, Nocardia corallina, 19-noresteroids intermediates 1823. symbiosis, Bradyrhizobium japonicum, nodules, α-D-galactosidase, α-D-glucosidase 6363. ureides levels, indicators, nitrogen fixation, acetylene reduction 2164. vascular system, translocation, nitrogen fixation, Rhizobium japonicum 2956. yield, nodulation, Rhizobium japonicum incorulation 212. iylcine mottle virus, new records, host range, spatial distribution, new records, Glycine tomentella isolates, Australia 5404.

Isolates, Australia Goot.

Rightine sola.

Pseudomonas putida ± Bradyrhizobium japonicum effects on nodulation, cloning DNA sequence effects on root hairs 6365.

Glycine tomentiel signification, australia 5404.

Classification, Australia 5404.

Glycoalkaloids, Australia 540.4.

Glycoalkaloids, hydrolysis, Solanum laciniatum, Aspergillus β-D-glucosidase 1006.

Solanum laciniatum, hydrolysis, Aspergillus 6155.

tubers, levels, effects on Rhizoctonia solani, disease resistance, Solanum tuberosum 8840.

Glycocyaminase, purfication, peptide mapping, comparison, Pseudomonas aeruginose, Pseudomonas 4290.

Glycol-bls(β-aminoethyl ether)-N, N-tetraacetic acid, effects on bacteria films removal, surfaces 417.

Glycolic acid,

Glycolic acto, assays, methodology, use, bacteria acyl type cen wants activity 7777. assays, methodology, use, bacteria acyl type cen wants activity 7777. Arthrobacter resting cells, biosynthesis, structure, salmonella minnesota 4477, and dotoxins, chemical composition, ultrastructure, Salmonella minnesota 4477, atty acid composition, 3-methoxy octadecanoic acid, Phodotorula glutinis 4382. Mycobacterium avium-intracellulare-scrofulaceum, identification, thin-layer chromatography 699, oligosaccharides, carbohydrate composition, structure, Mycobacterium leprae 924 production, Torulopsis bombicola 5221, surfactants, production, Torulopsis bombicola 1846. Glycolysis,

Ilycolysis, anaerobic conditions, aeration effects on, Leuconostoc mesenteroides 854. 
Ilycoproteins, antigenic determinants localization, vaccines production, rabies virus 6632. 
exc-1,4-a-1-glucosidase starch hydrolysis inhibitors, purification, characterization, Aspergillus 9500. 
gene expression, vaccines production, herpes simplex virus 6611. 
herpes simplex virus 1, gene expression, antitipenic determinants, use vaccines production, cell lines, mammalian cells 6591. 
membranes, rabies virus, lysosomes incorporation, antibody response, mice 666 
parainfluenza virus 3, crossed immunoeiectrophoresis, resolution 8449. 
rabies virus, gene expression, Escherichia coli, genetic engineering, vaccines

ycoproteins, (continued) production 6621.

production 6621.

Froquetion, plasma membranes, Bacillus thuringiensis subsp. kurstaki
Sendotoxin binding, cytotoxicity, Choristoneura fumiterana 5387.

vaccines production, transmissible gastroenteritis virus 6661.

yocasminephosphate isomerase (glutamine-forming),
activity, anicapsin inactivition, Escherichia coli, Pseudomonas aeruginosa,
Arthrobacter aurescens, Bacillus thuringiensis 6043.

Armitobacter aurescens, Bacillus thuringlensis 6043.

ycosylation, 48-D-xylosidase, p-nitrophenyl-β-D-glucopyranoside, p-nitrophenyl-β-D-xylopyranoside, Aspergillus niger 4349.

1,3-β-D-glucane hydrothysis, yeasts membranes 1883.

lycyrrhiza glabra, plant extracts, antifungal activity, aflatoxins biosynthesis, Aspergillus flavus 7897.

lyoxylate dehydrogenase (aceylating), purification, characterization, Scierotium rolfsii 3502.

purmicuston, characterization, Sclerotium rolfsii 3502.

lyphosete,
effects on growth, Phytophthora cactorum, Erwinia, antagonism 2177.
soils (loam) applications, effects on Trifolium subterraneum Rhizobium trifolii nodulation, nitrogen fixation 2995.

MK cells:

MK cells,
coxsackievirus B isolation, clinical isolates 612.
nomina nervisada,
Carya illino-ensis veins spot, pathogenesis, epidemiology, disease control,
funigicides 1137.
nomonia leptostyla,
arithracrose, disease resistance, relationship, 5-hydroxy-1,4-naphthoquinone,
hydroiyolone glucoside, Juglans nigra 3855,
arithracrose, epidemics, incidenie, Juglans nigra plantations, USA, Illinois 7995.
nomonia rubl,
cantker, Rubus, USA, Ohio 8846,
notoblotics (epecific pathogen free),
sheep, Pasteurella haemolytica+Ciostridium, vaccines, efficacy, experimental
infection 7488.

cats,
Chlamydia infection, agglutination immunodiagnosis 2504.
milk, bacteria content 6973.

oltrin, rapesed meals, biodegradation, Bacillus cereus, Trichosporon cutaneum 1042. old,

old,
extraction, ores oxidation, Thiobacillus ferrooxidans 3001.
Himmunoglobulin G complexes, immunoelectron microscopy methodology, plant viruses detection 8439.
mphrena globosa, tomato yellow top virus, disease transmission, Myzus persicae 7180.
sepidemiology, man, Neisseria gonorrhoeae auxotyping, serotyping, antibiotic sensitivity testing 482.
genitourinary tract, diagnosis, enzyme immunoassay, Neisseria gonorrhoeae 2481.
immunodiagnosis, passive hemaggictination, Neisseria gonorrhoeae ribosomes antigens, man 714.
Neisseria gonorrhoeae antibodies detection, radioimmunoassay methodology, man 1586.
Neisseria gonorrhoeae, Limulus lysate test, diagnosis, females, man 3276.

1586.
Nelssaria gonorrhoeae, Limulus lysate test, diagnosis, females, man 3276.
oodyera repers,
symbiosis, Ceratobasidium cornigerum, glucose uptake 5645.
osayptum,
biological control, foliar applications, spores persistence, Bacillus
thurngiensis 117.
gram-negative bacteria contamination, climatic conditions effects on disease
control 4532.

control 4952.

cesyptium arboreum,
genotypes, disease resistance, Xanthomonas malvacearum blight 8059.

cesyptium barbadense,
Alternaria macrospora infection, fungicides disease control, yield association

321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

1321.

13

Fusarium out 1, creatives, silage+whey, Lactobacillus plantarum inoculation 2743. Fusarium oxysporum f.sp.vasinfectum isolation, races geographical distribution, USA 1153.

host-parasite interactions, Phymatotrichum omnivorum, observation methods, equipment 2926. oils, seeds, aflatoxins 1932

oilseed crops, dust, gram-negative bacteria endotoxins levels 5384.

plant breeding, disease resistance, blight, Xanthomonas campestris pv.malvacearum

page 12.

By the control of the cont 1149

Gossyplum hirsutum, (continued)
Verticillium wilt, cellulose conversion, glucose production, cellulase 3683. Gostatin, isolation, characterization, aspartate aminotransferase inhibition, Streptomyces

sumanensis 1724.

Gracilaria tirvahiae,
biomass, methanogenicis, nitrogen recycling, bioreactors 8272.
biomass, methanogenic bacteria, digestion (anaerobic), methanogenic bacteria, digestion (anaerobic), methanogenic bacteria, digestion (anaerobic).

biomass production, nitrogen sources effects on digestion (anaerobic), methanogenesis 6396.

methanogenesis 6396.

Grain,
aflatoxins, analysis, thin-layer chromatography, high-pressure liquid
chromatography, fatty acids fluorescence, Zea mays 8726.
cereals, mycotoxins food contamination, methodology 225.
cereals, guality, association mycotoxins food contamination 226.
comparison, Zea mays, aflatoxins production, food contamination, factors
affecting, reviews 702.
contamination, aflatoxin B1, Oryza sativa 8733.
contamination, lactic acid bacteria multiplication, ultrastructure, electron
microscony 2742.

contamination, lactic acid bacteria multiplication, ultrastructure, electron microscopy 2742. 
detection Fusarium toxins, Egypt 7069, 
dust, endotoxins levels, gram-negative bacteria 7109, 
dusts, affaloxins determination, thin-layer chromatography 3704, 
ergot alkatioids detection, use, liquid chromatography 7050, 
food contamination, affatoxins, chemical analyses, extraction, thin-layer 
chromatography 7108. 
Hordeum vulgare, food contamination, trichothecenes, gas chromatography 7107. 
Incidence, Aspergillus glaucus, storage conditions, USA 8056. 
infection, fung, Sorghum 7150. 
use, ethanol fermentation, vapors phase separation techniques 1875. 
iram stalin,

use, ethanol fermentation, vapors phase separation techniques 1875.
Gram staln,
blood culture, diagnosis, septicemia 3342.
comparison, counter immunoelectrophoresis, agglutination, diagnosis, meningitis,
Haemophilus influenzae type b, Streptococcus pneumoniae, man 3275.
heat, comparison, methanol, fixation, methodology 5076.
preparation, centrifuges use 1618.
staining, bacteria, blood culture 703.
Gram-negative baciliti.
attibacterial activity, aztreonam± β-lactam antibiotics, ± amilkacin
300.
Statistical activity, aztreonam antibiotic, supposition 5504.

Gram-negative bacilit, aribacterial activity, aztreonam± β-lactam antibiotics, ± amikacin 3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

3156.

31

extracts 6446. antibacterial agents sensitivity 7359. antibiotic resistance, clinical isolates 6405. antibiotic resistance, clinical isolates 6405. antibiotic sensitivity testing, itearollilin± clavulanic acid 4786. antibiotics decontamination, shoots culture, trees 5782. antimicrobial activity, dyes, definal piaque isolates, dentistry 7553. aquatic bacteria, live, detection, fluorescein diacetate, fluorescent probes, fresh water 7554. me disclade, activity 5730.

actuation in 24, reservoir, increased material activity 5730, fresh water 544, reservoir, and instructional activity 5730, sactorioidal activity, lemperature, pH effects on, albumen, eggs, chickens 4010, certazidines — netifiuncin, antibacterial activity 7428, cellulose decomposition, soi 6339 cellulose decomposition, soi 6339 cellulose decomposition, soi 6339 cellulose decomposition, soi 6339 cinical isolates, β-lactamase detection, assays 684, clinical isolates, animal isolates, drug resistance, reviews 9058, clinical isolates, animal isolates, animal content of the 810, anitotecterial activity 7429, clinical isolates, antibiotic the R 810, anitotecterial activity 7429, clinical isolates, antibiotic sensitivity testing, AutoMicrobic test, methodology, comparison 7419, colonial characteristics, wilt, pathogenicity, Catharanthus roseus, Vitis viriffera 280.

vinifera 280. contamination, Gossypium, climatic conditions effects on disease control 4532. cournermycin, antibiotic sensitivity testing, antibiotic synergism, hydroxy quinolones 6557

Gram-negative bacteria, (continued)
differentiation methodology, gram-positive bacteria 1619.
dilution tests, antibiotic sensitivity testing, methodology, comparison 7621.
drug resistance, gene transfer, Fl factor FRZ 6428.
endotoxins, antibodies, enzyme-linked immunosorbent assay detection, blood 1939.
endotoxins, humidifiers, allergic alveolitis, man 1943.
endotoxins levels, dust, oilseed crops, Gossypium hirsutum 5384.
endotoxins levels, grain dust 7109.
ethanol, bactericidal activity, characterization 6452.
fementation characterization 2685.
hybrids, antigenic determinants, vaccines production 6644.
hypochlorous acid, chlorine dioxide, antibacterial activity, models, in vitro 8721.
identification, aminopeptidase assays, 7578. Gramineae, (continued)
eye spot, Pseudocercosporella herpotrichoides spores dispersal, inhibition,
cellulose xanthate 8058. cellulose xanthate 8058.

eye spot, soil microorganisms, antagonism, Rhizoctonia, Ceratobasidium 7086.

Fusanium scab, pathology, zearalenone production, animals ingestion, toxicity, reviews 7056.

Iuteovirus, antigenic characteristics, identification, China, People's Rep. 8796. molds, plant diseases, disease control, reviews 5430.

plant diseases, phytopathogenic fung, books 1688.

rhabdovirus transmission, Ribautodelphax notabilis role, Iran 262.

rhizoplane microorganisms, bacteria, association, phosphorus, nitrogen, effects on 6334. fermentation characterization 2685. hybrids, antigenic determinants, vaccines production 6644. hypochlorous acid, chlorine dioxide, antibacterial activity, models, in vitro 8721. identification, aminopeptidase assays 7576. isolation, food, Mexico, drug resistance 437. isolation, food, Mexico, drug resistance 437. isolation, heart surgery postoperative infection, antibiotics sensitivity testing, aminoglycoside antibiotics 3107. β-lactamase, altribiotics 3107. β-lactamase, dindamycin effects on derepression 515. β-lactamase, inhibitors, clavulanic acid, sublactam, quinacillin sulfone, antibiotic MM13902, artibiotic MM4590 9161. media (culture) methodology, urine isolates, man 1588. mezicoliline β-lactam artibiotics, antibiotic antagonism, antibiotic synergism, antibiotics synergism, antibiotic synergism, antibiotics synergism, antibiotic synergism, antibiotics, synergism, antibiotic synergism, antibiotics, synergism, antibiotics synergism, antibiotic synergism, antibiotics, synergism, antibiotic synergism, antibiotics, synergism, antibiotic synergism, antibiotics, antibiotics, synergism, antibiotics, antibiotics, synergism, antibiotics, antibiotics, synergism, antibiotics, antibiotics, antibiotics, antibiotics, antibiotics, antib on 6334.

rhizosphere, nitrogen-fixing bacteria isolates, nitrogenase activity 9014.

root rot fungi, biodegradation, filter paper 1001.

roots, incidence, Gaeumannomyces graminis, Phialophora radicioola 2786.

rust, urediniospores, Puccinia recondita, Puccinia graminis, epidemiology 5417.

susceptibility, Fusarium culmorum, disease control, fungicides 2895.

tropical environment, ligr oceliuloses, fermentation, silage, feeds production 5358. 5038.

virus-like particles infection, Australia 1988.

wilt, Xanthomonas campestris pv.graminis, incidence, British Isles 4521.

yield, inoculation, Azospirillum, nitrogen fixation, rhizosphere colonization 2968. Granada medium, media (selective), Streptococcus group B 3320. media (selective), Streptococcus group B 3320.

Granules,
controlled-release, ofurace, use, disease control, Solanum tuberosum late blight,
Phytophthora infestans 2887.

Granulosis virus,
biological control, Agrostis segetum, Pakistan 6079.
biological control, effects on nontarget organisms, orchards, Cydia pomonella
4387. 4387.

biological control, pest control, field trials, Cydia pomonella 4388.
Cydia pomonella, isolates, use, pest control, Fhlyconia frustrana 6892.
isolation, virulence, use biological control, Cadra figuiliella 6904.
virulence, biological control, susceptibility, larvae, Heliothis zea, Heliothis virescens, Heliothis amigera 6903.

Grapefruits, post-harvest decay, Penicillium digitatum, phenylalanine ammonia-lyase activity suppression 2048.

Grapes. Grapes Grapes,
juices, yeasts growth measurement, nephelometry methodometry 7851.
post-harvest decay, effects on wine fermentation 6939.
post-harvest decay, prevention, carbon monoxide, storage conditions 8057.
Grapevine Bulgarian latent virus,
antigenic variants, characterization, plant diseases 5451.
Grapevine fanleef virus. tection, enzyme-linked immunosorbent assay methodology, Xiphinema index vec Grapevine leaf roll virus, leal-roll, effects on yield, Vitis vinifera clones 8859, plant diseases, Vitis vinifera, growth, yield 4536. 
Grapevine mottle virus, pathogenesis comparison, grapevine vein mosaic virus, Vitis vinifera symptoms 3816. 3816.

Grapevine vein mosaic virus, pathogenesis comparison, grapevine mottle virus, Vitis vinifera symptoms 3816.

Grapevine Virus A, plant diseases, Vitis vinifera, disease transmission, vectors, Pseudococcus longispinus 3844.

Graphium penicillioides, identification, immunodiffusion 806.

Grasslands, montane environments, phosphorus uptake, vesicular-arbuscular mycorrhizas 12 nitrogen cycle 5666. montane environments, phosphorus uptake, veelcular-arbuscular mycorrhizas 12 nitrogen cycle 566.
nitrogen cycle 566.
nitrogen cycle, soil microorganisms, seasonal variations 5667.
soil characteristics, soil microorganisms, respiration 395.
soil microorganisms, Fusarium 3950.
soil properties, clays α-amylase, β-D-Iructofuranosidase, activity 403.
Grassy sturt virus,
disease transmission, Nilaparvata lugens, Nilaparvata bakeri, Oryza sativa 4520
Gravel pits,
land reclamation, vesicular-arbuscular mycorrhizas restoration, soil storage 8721. dentification, aminopeptidase assays 7576. identification methodology 2461. intestinal microflora, animal isolates, antibiotic sensitivity testing, feeds additives 3729. nessura micronora, animal isolates, antibiotic sensitivity testing, feeds additives 3729, mezlocilin, +β-lactam antibiotics, antibiotic antagonism, antibacterial scrivity, bacteriala activity 7412. norfloxacin drug sensitivity testing 9095, olivanic acids, analogs, anibiacterial activity 1335, piperaciliin antibacterial activity 6526. Gram-poetitive cocci, achromopeptidase, cytolysis, methodology 1578, antibiotic sensitivity testing, antibiotic resistance, clinical isolates, eye infection, man 5757. bactericidal activity, miokamycin 3151. Gramicidin, antibiotic resistance 7477. cross-linkage, polymyxin B, antibiotic resistance 7477. cross-linkage, polymyxin B, antibiotic resistance 7477. gramicidin Å, N.M.R. 4055. Gramicidin Å, N.M.R. 4057. Gramicidin Å, Camicidin O, poteinase activity, effects on, Bacillus thuringiensis 1412. 1203.

Grazing,
Onychiurus latus, effects on competition, Mycena galopus, Marasmius androsace decomposition, leaf litter, Picoa sitchensis 8940.
Onychiurus latus, effects on soil vertical distribution, Mycena galopus, Marasmius androsaceus, forests, Picea sitchensis 8939. Grace, climatic conditions, cold, adaptations, soil microorganisms, nitrification, soil Lysopersicon esculentum, stem canker, Alternaria alternata f.sp.lycopersici, greenhouses 8013. Green mold, Penicillium digitatum, post-harvest decay, cross-resistance, guazatine, benomyl 2200. proteinase activity, effects on, Bacillus thuringiensis 1412, proteinase activity, effects on, Bacillus thuringiensis 6025. Gramicidin S, post-harvest decay, oranges, disease control, fungicides 5470. Greenhouses, ectomycorrhizas inoculation, stimulation, growth, nutrient uptake, seedlings, Gramicidin S,
analogs, peptide synthesis, structure-activity relationships, antibacterial
activity 3142.
ATP, ADP affinity, Bacillus brevis 1409.
biosynthesis, phenylalanine, role, Bacillus brevis 8381,
cytolysis, Bacillus subtilis protoplasts 7467,
toxicity, comparison Bacillus thuringiensis toxins, larvae, Aedes aegypti 2661.
Gramicidin S synthetase,
multienzyme complexes, inactivation control, antibiotics production, Bacillus
brevis 1375. Eleusine coracana screening, fungi vesicular-arbuscular mycorrhizas inoculation 2145. Eucalytrus, incidence, fungi plant disease 8942. Lysopersicon esculentum, stem canker, Alternaria alternata f.sp.lycopersici, Greece 8013.

Greece 8013. Medicago sativa seedlings fungi diseases, USA, California 1115. Solanum tuberosum, potato virus S transmission, cutting instruments 8008. Greenland, Pezizales, ecological distribution, habitat, soil 2128. Gremmenlella abletina, canker, Pinus sylvestris, association nutrient dynamics 5601. dieback, Pinus sylvestris, association nutrient dynamics 5601.

Grewia asiatica,
Phoma sorghina leafspot incidence, India 2034

Drevis 1373.

Graminaee,
Azospirillum rhuosphere, Mexico, subtropical zones 4634,
barley yellow dwarf virus infection, Aphididae interaction 1989,
barley yellow dwarf virus infection, com hosts intermediates 1996,
control, fungi, biodeterioration, books, conferences 1697,
enzyme-linked immunosorbent assay, detection, barley yellow dwarf virus 8802. 154

ey mold,
Phaseoius vulgaris, Botrytis cinerea, pathogenesis association developmental stages, environmental effects 1114. ftola frondosa, fruit bodies, glucans, antitumor activity, sarcoma 180, isolation, mice 6891. BD-glucan, carbohydrate composition, structure, antitumor antibiotics 5208. BD-glucan structure 6057. fteedrulyin, antibiotics, antifungal activity, relative inhibition factors measurements, dose-response effects 4017. drug sensitivity testing, Candida 5735. production, industrial applications, Penicillium patulum 9171. susceptibility methodology, dermatophyte fungi 1336. susceptibility tests, Trychophyton rubrum, factor affecting 516. riseorodiri, antibiotics production, Actinomadura recticatena sp.nov. 4060. round water, bacteria, community structure, biomass, nutritional status, indigenous species 5817.

bacteria, community structure, biomass, nutritional status, indigenous species 5817.

Satisfaction of the status o

mathematical models, chemostats, microorganisms v.zos. rowth factors, puirements, cell culture, reviews, yeasts 7787. biotin, nutrient requirements, cell culture, reviews, yeasts 7787. mycobactin, purification, Mycobacterium paratuberculosis 4394, peat hydrohysates, single-cell protein production, Candida utilis 6808. rowth inhibition test, detection, Mycoplasma mixed infection, animal isolates 2449. rowth patterns, Phanerochaete chrysosporium, lignin biodegradation 179.

rowth regulatora, feeds additives, antibiotic sensitivity testing, gram-positive bacteria, intestinal microflora, animal isolates 3729. plants, production, Fusarium 3944. Streptomyces, L-alanosine, production, inhibition, molting, larvae, Leucania separata 7774, rowth rings. Picea abies, relationship Armillaria mellea, infection 355. ryphase gasar, filter feeders, accumulation, bacteria, indicator species, public health 3217. usanine.

inter tescers, accuminatori, becreta, inducator species, public fleam 3217. 
taanine, analogs, synthesis, antiviral activity 6479. 
tainoline diphosphateL-fucose, production, use enzymes, Agrobacterium radiobacter, Klebsiella pneumoniae 6061. 
cross-resistance, Penicifilium digitatum, green mold, post-harvest decay 2200. 
disease control, Mucor, postharvest decay, tomatoes 5472. 
ulbourtia conjugata, nodulation, Rhizobium 4667. 
tinacillin, β-lactamase substrates, antibodies deactivation, Staphylococcus aureus 5156. 
tulnea grass mosalc virus, plant diseases, Pennisetum americanum, etiology, Ivory Coast 4512. 
tulcotta abysainica, daylength, effects on infection, Glomus macrocarpus 8977. 
daylength, effects on infection, Glomus macrocarpus 8977. 
soil earation, carbon dioxide effects on symbiosis, Glomus macrocarpum 3937. 
vesicular-arbuscular mycorrhizas, nutrient uptake, soil aeration effects on 1256. 
tim,

um, gelation, GELRITE, use, media (culture), thermophilic microorganisms 3335. ume, analysis, agar substitutes 774. polysaccharides, extracellular polymers, carbohydrate composition, Pseudomonas elodae 4336. polysaccharides structure, Rhizobium 4368. tomatidine biodegradation 7839. www.setame.

ymnostoma, actinorhizas, nitrogen fixation, tropical environment, reviews 2914.

ynura aurantieca, citrus exocortis viroid infected, RNA, DNA, separation techniques, use, ethanol 3248.

ypsophila paniculata, stunt, mycopiasma-like organisms 3847.

abekactn, antibacterial activity, inhibition protein biosynthesis, outer membranes damage, Escherichia coli 521. abitat, disturbance, association, vesicular-arbuscular mycorrhizas symbiosis weeds, USA,

Utah 396

Utah 396.
Pezizales, soil, Greenland 2128.
bbranthus,
disease resistance, infection, Sclerotium cepivorum 8043.
bematobla Irritans,
biological control, Bacillus thuringiensis subsp.israelensis, larvicides 5209.
bemophilus,
antibiotic resistance, antibacterial activity, tyrothricin, gramicidin 7477.

bactericidal activity, miokamycin 3151. carbohydrates fermentation detection, methodology comparison 3281

Haemophilus, (continued)

eemophilus, (continued)
clinical isolates, moxilactam, antibacterial activity 5768.
clinical isolates, moxilactam, antibacterial activity 5768.
differentiation, Neissena, micromethods, biochemical analysis 3290.
identification, biotyping, methodology 770.
isolation, dilution methodology, lung, pigs, slaughter 2463.
meningitis, immunodiagnosis, counter immunoelectrophoresis, agglutination 2488.
emophilus ducreyl,
ambibitic resistance, tetracycline, plasmids, DNA, restriction endonuclease

antibiotic resistance, tetracycline, plasmids, DNA, restriction endonuclei mapping 3027.
clinical isolates, media (isolation), methodology 711.
isolation, identification, methodology 730.
media (isolation), growth, methodology 6780.
Haemophilus equipenitalis, contagious equine metritis, media (isolation), methodology 3307.
isolation, incubation time, contagious equine metritis, horses 7573.
Haemophilus Influenzae, ampicillin antibiotic resistance, clinical isolates, disseminated infection, children 441.

children 441

cmicren 441.
ampicillin, antibiotic resistance, penicillin-binding protein, membrane permeability 7338.
antibacterial activity, celotaxime, moxalactam, temocillin 5754.
antibacterial activity, ciprofloxacin, comparison, norfloxacin, nalidixic acid

antibacterial activity, certotaxime, moxalactam, temocillin 5754.
antibacterial activity, infortoxacin, comparison, norfloxacin, nalidixic acid 6465.
antibacterial activity, temocillin 3105.
antibacterial activity, temocillin 3105.
antibiotic FCE 22101 antibiacterial activity 1431.
antibiotic FCE 22101 antibiacterial activity 1431.
antibiotic MDL 19,592, antibacterial activity 1389.
antibiotic SCE 22101 antibiacterial activity 4878.
antibiotic sensitivity testing 2250.
antibiotic sensitivity testing, ampicillin, cefamandole, chloramphenicol, MS-2 system 498.
antibiotics, reviews 6408.
antibiotics certification 6408.
antibiotics certif

polyribose phosphate antigens detection, agglutination tests, body fluids, man 1584.

1584.

Heamophilus Influenzae type b,
antibacterial activity, antibiotic synergism, rifampicin ampicillin,
+chloramphenicol 9166.
antigens detection, methodology comparison, body fluids, man 4189.
antigens (atex agglutination, comparison, phadebact test, detection,
cerebrospinal fluid 795.
capsules, polysaccharides detection, methodology comparison 3303.
clinical isolates, antibiotic resistance, β-lactam antibiotics,
characterization 6407.
menincitis, diagnosis, counter immunoelectrophoresis, agglutination, i

characterization 6497 meningitis, diagnosis, counter immunoelectrophoresis, agglutination, Gram stain, comparison, main 3275.

Heemophilus paralinfluentzee, antibacterial activity, cefotaxime, moxalactam, temocillin 5754. biotyping methodology 75 clinical isolates, drug resistance 3035. transposon 10, association, tetracycline, antibiotic resistance, homology, transposon 10, association, tetracycline, antibiotic resistance, homology,

transposon 10, association, tetracycline, antibiotic resistance, homology, Escherichia coli 9073.

Heemophilus peraphrophilus, β-lactamase detection, quality control, clinical microbiology 4688.

Heemophilus pleuropneumoniee, animal isolates, agglutination, use, identification, serotyping 2516. animal isolates, pigs, drug resistance levels 6406. anibacterial agents antibacterial activity 6461. infection, pigs, immunodiagnosis, 2-mercaptoethanol agglutination 7593. media (selective) 739.

Hafnia alvel, antibiotic resistance, chlorination effects on, sewage isolates 6437. commencium antibioticir activity, comparison, celotaxime, moxalactam 1388.

microflora, bacteria contamination, swimming pools 2405.

Haio blight,

ato origin; Pseudomonas phaseolicola, disease resistance genes, plant breeding, Phaseolus vulgaris 5481. Pseudomonas syringae pv.phaseolicola, disease resistance, Phaseolus vulgaris

Seudomonas syringae pr.priaseolicola, 5406.

2-Haloacid dehalogenase, lactic acid enantiomers production 8517.

Haloarcula,

antibiotic sensitivity testing 6497. Haloaromatics,

substrates, industrial wastes, biodegradation 3207.

Halobacterfacese, antibiotic sensitivity testing 6497

Anubouc sensitivity testing 0497.
Helobacterium halobium,
purple membranes, bacteriorhodopsin pigments, C.D. 4257. eet snock, association, plants, essential oils, effects on, yeasts 3064. Clostridium sporogenes, heat resistance 7341. proteins, biosynthesis, relationship ethanol tolierance, Saccharomyces cerevisiae Halococcus, antibiotic sensitivity testing 6497 Halogenation,
microorganisms 7653.
Halogene,
H Heat tolerance association Escherichia coli lipopolysaccharides, Limulus lysate test, pyrogens food processing, spoilage, starter cultures 3709. Lactobacillus viridescens association, temperature tolerance 7027. microorganisms, spoilage, tumbling effects on 7857. association Escharichia con apopolysacchandes, Emilias lysaccies, pyrogens tests 227.
breast milk, microorganisms contamination, nutritional status, immune status, infants, man 7038.
comparison, formalin, Legionella pneumophila, antigens, use, indirect fluorescent Hamycin, fungi, fermentation, high-pressure liquid chromatography, antifungal activity 5800. comparison, contain, cagonena presmoprine, analysis, coo, mande to analysis, and mande to analysis, control. Cladosporium resinae, Penicillium corylophilum, contamination, biodegradation, fuels 1296.

decontamination, potato virus X, potato virus S, cultivars, Solanum tuberosum disinfection, prophylaxis, viruses food-borne diseases, man 9266. isolates, sensitivity, comparison, cetamandole 6524. 8881 8881.
disease control, Erwinia carotovora blackleg, Solanum tuberosum tubers 1195.
Escherichia coli, p-hydroxybenzoic acid antibacterial activity 1332.
Escherichia coli, p-hydroxybenzoic acid esters antibacterial activity, magnesium effects on 3055. Hensenule anomals, antifugal activity, essential oils, spices 8318. cytochrome c+cytochrome b2 complex, binding characterization, fluorescence 861. Hensenule mrakil, toxins, purification, characterization 7114. Hensenule polymorpha, alcohol oxidase, preparation, alcohols colorimetry applications 3446. growth, single-cell protein production 856. immobilized cells, methanol, oxidation, kinetics 997. methanol fermentation, single-cell protein production, monitoring, computer applications 5966. methanol oxidation enzymes biosynthesis 929. peroxisomes, enzymes biosynthesis 929. peroxisomes, enzymes biosynthesis 4276. single-cell protein production, optimization, cost-benefit analysis, fermentation, mathematical models 5963. isolation methodology, Legionella pneumophila 3333. isolation methodology, Legionella pneumophila 3333. pasteurizad milk quality, storage conditions 8711. seed treatments, disease control, cowpea banding mosaic virus, Vigna unguicula solar radiation, water purification, contamination, pasteurization, water, methodology 3225. Heating, milk, refrigeration, coryneforms identification 6998. Heavy metals anine carboxypeptidase, zinc containing, active sites inhibition, Streptomyces albus 5985. termentation, mathematical models 5963.

Holody, objects and methodology, Saccharomyces 9333.

Saccharomyces cerevisiae hybrids development, ethanol fermentation strains 6146.

Hardwoods, hydrolysis, glucose production 5160.

Harposportum anguilluluse, parasites, Rhabditis, Aphelenchus 2126. Allium cepa, soil pollution vesicular-arbuscular mycorrhizas, Glomus mosseae 38 antimicrobial activity 1358. antimicrobial activity 1358.

binding, Klebsiella aerogenes capsules polymers, activated sludge 6679.
bioaccumulation, polysaccharides adsorption, Zoogloea ramigera 3973.
concentration, heterotrophic microorganisms slimes, rivers, Eire 6716.
copper, nickel, pollution effects, community composition, soil microorganisms
2142. parasres, rnaconas, Apnelencinus 2120.

Harvesting,
ascocarps, Tuber melanosporum 3834.
cultivation techniques, effects on water content 8701.
dates, effects on Phomopsis infection, seeds, seed-borne diseases, Glycine max 2142.
inhibition alcohol dehydrogenase, mechanisms, pH effects on, yeasts 7686. inhibition, ectomycormizas, roots colonization, Picea sitchensis 8168. inhibition, nitrifying bacteria, wastewater treatment 2353.
Medicago sativa treatment, nitrogen fixation, leghemoglobin, nodulation, biomass 8778.
effects on, Botrytis allii, neck rot, post-harvest decay, onions 8055.
machinery, association, serosols, particulate pollution, microorganisms,
measuring techniques, mathematical models 3229.
Pseudotsuga menziesii, leaves dehydration, retention, needlecast Phaeocryptopus
gaeumannil effects on 3911.
Hatcherles,
sanitation, microorganisms monitoring 2330.
Haustoria,
chemicals induction, Urediniales 6221.
Phytophthora infestans, disease resistance, caliose growth, tubers, Solanum
tuberosum 2008. 8778 2961 microorganisms, removal, waste water 3202.
pollution, bacteria biodegradation, resistance 3680.
pollution effects, toxicity, soil microorganisms 5680.
resistance, gram-negative bacilli 9042.
resistance, relationship β-lactamase levels, clinical isolates,
Staphylococcus aureus 2203.
salts, anions, susceptibility, Mycobacterium avium, Mycobacterium intracellulare,
Mycobacterium scrofulaceum 3043.
salts, Onza sativa seedlings, effects on disease resistance, brown spot,
Drechslera oryzae 2077.
soil amendment, toxicity, bacteria 4675.
toxicity, Fusarium solani, resistance, association, sodium thiosulfate, sodium
tetrathionate 2201. Uromyces phaseoli, inhibition, triphenylphosphile, rust, Phaseolus vulgaris 2899. He Acacia rust, fungi endigenous species 7236. Hebeloma, etcomycorrhizas, inoculation, plantations, Quercus robur, Quercus petraea 7220, ectomycorrhizas, mycelia, inoculation, seedlings, Pinus banksiana 7227. Hebeloma crustullinforme, biological control, antagonism, ectomycorrhizas soil-borne diseases, Fagus 5513 carbon-13 distribution, fatty acids, N.M.F. 8957. ectomycorrhizas, phosphate, nutrient uptake, stimulation, fertilizer applications, Pseudotsuga menziesii 5573. reservation, organic compounds, antimicrobial activity, microorganisms, effects on 6490. on 6490.

Trifolium pratense, contamination, Rhizoctonia leguminicola, swainsonine, mycotoxicosis, horses 8728.

Hazardous wastes, waste roadment, microorganisms use, books 1694.

Hazimicina, antifucola, antifu appiications, Pseudorisuga menziesii 5574.

Hebeloma cylindrosporum,
+auxin, effects no roots formation, propagation, Pinus pinaster 5929.
ectomycoriusa, Pinus pinaster, chitin ievela 3949.
immobilized cells, inoculum efficacy, trees 8163.
Hebeloma secchariolens,
seedlings inoculation, roots colonization, spatial distribution, soil, Betula
5556. antifungal activity, antibacterial activity, Micromonospora echinospora subsp.challisensis 2294. surgery, postoperative infection, gram-negative bacteria isolation, antibiotic sensitivity testing, aminoglycoside antibiotics 3107. HeLa cella,
DNA-binding protein, X-ray crystallography, adenovirus (human) 5 2563.
herpes simplex virus 1, herpes simplex virus 2, infected,
9-(1,3-dihydroxy-2-propoxymethyl)guanine, effects on, macromolecules biosynth activation Bacillus spore germination, enumeration, milk agar, media (isolation) 1911 1911.

+ammonia. decontamination, aflatoxin B1, com 7889.

comparison, methanol, fixation, Gram stain, methodology 5076.

Escherichia coli injuries, antibiotics sensitivity, cell surface hydrophobicity 9125 interferon antiviral activity, viruses infection 1350. tissue culture, purification, measles virus 5005. vesicular stomatitis virus, replication, nucleotides, antiviral activity 8334. 2241 2241.
+ hydrogen peroxide, disinfection, septic tanks effluents 9243.
penetration, microorganisms survival, baking, bread 6986.
production, adiabatic fermentation, measuring techniques, water baths 5271.
production, association, soil microorganisms biodegradation carbon sources 2150.
production, composts, Basidiomycetes 4463.
production, Vibrio alginolyticus, calorimetry methodology 3278.
sterilization 1360.
sterilization, spores, microorganisms 1368. vesicular somatitis virus, repirication, nucleotioes, antiviral activity 8:334.
Helianthus annuus,
blight, Alternaria helianthi, virulence 8033.
charcoal rot, etiology, Alternaria alternata, Fusarium roseum, Fusarium solani,
Macrophomina phaseolina, Phoma macdonaldii, Rhizopus arrhizus 4551.
Diaporthe helianthi infection, stem canker, leafspot, USA, Texas 3839,
Macrophomina phaseoli infection, pathogenesis, association developmental stag

plant dise 4586.

2010

Heat resistance, (continued) spores, bacteria, food industry 7030. Heat shock,

irrigation effects on 1142. ant diseases, Sclerotium rolfsii, biological control, Trichoderma harzianum

rust, Puccinia helianthi, Australia 8014. Sclerotinia sclerotiorum pathogenesis, virulence, role pH, oxalic acid levels

stem canker, Phomopsis 7194. trachyloban-19-oic acid, kaur-16-en-19-oic acid, isolation, antibacterial activity, Staphylococcus aureus, Mycobacterium smegmatis 4009.

seeds, mycoflora, aflatoxins detection, Argentina 7061. seeds, survival, macrophomina phaseolina, pathology 8026. stalk rot, Erwinia carotovora, susceptibility association age, USA, North Dakota

156

stenlization, spores, microorganisms 1368.

Heat Inactivation,

α-amylase, Bacillus & learothermophilus, Xanthomonas campestris, ultrahigh
temperature sterilization, dairy products 6974,
triacylglycerol lipase, Pseudomonas fluorescens 5146.
Heat resistance,
Bacillus, antibacterial activity, sodium citrate 7374,
bacteria spores, mechanisms, food industry 6415,
bioassays, Bacillus stearothermophilus spores 6493.
Clostridium sporogenes, heat shock 7341.
sodium citrate antibacterial activity, Bacillus stearothermophilus, canned food
7376.

lanthua tuberosus, ammentation, ethanol production, immobilized cells, Kluyveromyces marxianus 3540, alant diseases effects on yield, Puccinia helianthi, Erysiphe cichoracearum, Sclerotium roffsii 5457, seudomonas syringae pv. tagetsi infection, chlorosis, leafspot 3849, talks, inulin fermentation, ethanol production, Nuyveromyces marxianus 5298, beers, fermentation, ethanol production, Nuyveromyces cerevisiae, Kluyveromyces fragilis 5297. Italias, inulin fermentation, ethanol production, Nuyveromyces cerevisiae, Kluyveromyces fragilis 5297. Italias, symbiosis, Australia 2132. Italias, symbiosis, Australia 2132. Italias, motor, symbiosis, Australia 2132. Italias, motor, symbiosis, Carolias, arrastism, mots, interspecific relationships, mycorrhizas, Pinus strobus, Pinus axcelsa 348. Italias armigere, siological control, use resistant mutant, U.V. radiation, temperature, Bacillus thuringiensis 6746. Italias armigere, siological control, use resistant mutant, U.V. radiation, temperature, Bacillus thuringiensis 6746. Italias, production symbiosis, production symbiosis, proteins, purification, characterization 3422. Italias, production, symbiosis, production, productio

compounts symbiosis, Australia 2132. Iminitinosportum teres, set blotch, disease resistance, genetic variance, plant breeding, Hordeum vulgare 316.

316.
Iminthosporium,
isalisulotytic enzymes activity 6871.
salispot, incidence, cultivars mixed culture, Hordeum vulgare 2841.
nancozeb-t-curzate antifungual activity 2085.
-foxin, Zea mays susceptibility, reviews 1123.
Iminthosporium carbonum,
Isaaase resistance suppression, Helminthosporium maydis inoculation, Zea mays

noculation, Helminthosporium carbonum disease resistance suppression, Zea ma 1189.

hytotoxins, analogs, structure-activity relationships, Zea mays 1955.

hytotoxins, nots bicassays, susceptibility, genes, Zea mays 8754.

toxin, mitochondria, calcium transport inhibition, Zea mays 8754.

loxin, mitochondria, calcium transport inhibition, Zea mays 8754.

Infilingal activity, diaryl methylphosphonates, structure-activity relationships 1945.

Informa spot, Cryza sativa seedlings, disease control, phytoalexins inducers 3887.

Isreptomyces acmycin antifungal activity 4869.

Infilingal control, seedlings, vitis vinifera 8016.

Ininthosporium sativum,

ruffungal activity, rhodanine derivatives 4018.

Iniffungal activity, rhodanine derivatives 4018.

oot not, disease control, soil amendment, sawdust, oil cake, Triticum aestii 8088.

pot not disease resistance, inheritance, Triticum 2885.
pot biotch, pathogenicity, host range, Panicum virgatum 2794.

minithosportum soilani,
minithosportum surelcum,
minithosportum turelcum,
minithosportum turelcum,
minithosportum victoriae,
minithosportum victoriae,
onidia spore germination, pure culture, comparison, soil fungistasis 2928.
mytotoxins, host specificity, Avena sativa 7902.

pxins, victoxinine derivatives, isolation, N.M.R. 3733.
madacratition.

influtionis, host specialisty, Averta saliva 792...

sources, victorisine derivatives, isolation, N.M.R. 3733...

madeoption, minimized specialistic specialistic

influtioning loss, minerals of the control of the c

Hemagglutination inhibition, (continued)

ise, Mycobacterium, proteins, purification 9290.

use, Mycobacterium, proteins, purification 9290. Hemagglutriinis, attenuation, and production, revirus 6627. biosynthesis, influenza B virus, ribavirin antiviral activity, cell culture 8322. biosynthesis, media (culture), Bordetella pertussis 9312. cioning, production, vaccines, influenza virus 6598. expression, cloring vectors, immunogenicity, antigenicity, vaccines production, influenza virus 6636.

influenza virus (scacina virus transfection, gene expression induction antibody response, hamsters, rabbits 4887. Influenza A virus, sloation, density gradients centrifugation, bromelain cleavage 4994. Influenza virus, simmunodiffusion standardization 4993. Influenza virus, stimulation natural killer cells cytotoxicity, use vaccines production 6647.

production 694."
measiles virus, limmunoglobulin G detection, enzyme immunoassay methodology 8442. 
purification, affinity chromatography, influenza virus 8435. 
purification, characterization, clostricium botulinum 2557. 
purification, vaccines production, immunogenicity, Bordetella perfussis 8389. 
vaccines production, Bordetella perfussis 3176.

Heme, binding cytochrome P-450, characterization cysteine residues, Pseudomonas putida 910.

910.

Hemella vastatrix,
leaf rust, Coffea, disease control, cuprous oxide, cupric hydroxide 8123.

Hemloellulase,
immobilized enzymes, Macrophomina phaseolina 8571.
production, Cellulomonas flavigena 8545.
production, Trichoderma reesei + Aspergillus wentii mixed culture, media (culture) association 1736.

Trichoderma reesei, hydrolysis, lignocelluloses 7833.

Hemloellulose,
conversion, ethanol production, Pachysolen tannophilus 3620.
degoradation, staining detection, celliulotic bacteria 1834.

degradation, staining detection, cellulolytic bacteria 1634, fermentation, cellulase activity, Trichoderma 3622, hemicellulase hydrolysis, p-chloromercuribenzoic acid, sufflydryl groups, inhibitors effects on, Cephalosporium sacchari 4354.

bagasse, Lolium, sodium hydroxide hydrolysis, production, xylose isomerase, endo-1,3-β-D-xylanase, Streptomyces flavogriseus 5186. carbohydrate composition, bagasse hydrolysates, use, carbon sources, fermentation 8677.

asispot, incidence, cultivars mixed culture, Hordeum vulgare 2841.
nancozeb+curzate artifungual activity 2085.
f-coxin, Zea mays susceptibility, reviews 1223.
imintroaporlum carbonum,
issease resistance suppression, Helminthosporium maydis inoculation, Zea mays
1169.
noculation, Sophora japonica leaves, phytoalexins production 1131.
asispot, genotypes, Zea mays, effects on, fitness 7971.
hydrotoxins, structure-activity relationships, Zea mays 1983.
oxins, hydrogen bonding, N.M.R., I.R. spectroscopy 7911.
imintroaporlum indicum,
imintroaporlum indicum,
imintroaporlum maydis,
noculation, permitted the structure activity relationships, Zea mays 1983.
oxins, hydrogen bonding, N.M.R., I.R. spectroscopy 7911.
imintroaporlum maydis,
noculation, hemaloided activity, nematicides 1325.
imintroaporlum indicum,
nutmicrobial activity, nematicides 1325.
imintroaporlum maydis,
noculation, Coffea arabica selection 7185.
host-pathogen interactions, Coffea arabica, cell culture methodology 1999.
leaf rust, disease resistance characterization, Coffea 306.
leaf rust, disease resistance characterization, Coffea 306.
leaf rust, disease resistance characterization, Coffea arabica 304.
leaf rust, disease resistance characterization, Coffea arabica, cell culture methodology 1999.
leaf rust, disease resistance characterization, Coffea arabica, cell culture methodology 1999.
leaf rust, disease resistance characterization, Coffea arabica, cell culture methodology 1999.
leaf rust, disease resistance characterization, Coffea arabica, cell culture methodology 1999.
leaf rust, disease resistance characterization, Coffea arabica, cell culture methodology 1999.
leaf rust, disease resistance characterization, Co

Hemin, blood culture, effects on Haemophilus influenzae growth 791

Hemocoel, body fluids, Glycera dibranchiata, bactericidal activity, Serratia marcescens 451.

Hemodialysis, systems, bacteria contamination, enumeration methodology 1638

Hemoglobin,
levels, nodules, Rhizobium, comparison Frankia, Parasponia, Myrica gale 2898. levels, nodules, actinorrhizas, Casuarina cunninghamiana, Myrica gale 4605.

Hemolymph, pathogens effects on amino acids, larvae, Spodoptera littoralis, Bacillus thungiensis 6912.

a-Hemolyeln, comparison, teichoic acid, antibodies, measuring techniques, diagnosis, bacteremia, endocarditis, Staphylococcus aureus, man 7620.

β-Hemolysin,
Streptococcus, use, detection, hemolysis, Vibrio cholerae 9288

8-Hemolysin, amino acid sequence, Staphylococcus aureus 5390.

Hemolysins, Escherichia coli 4706.
production, factors affecting, Vibrio vulnificus, bioassays 6786
Streptococcus agalactiae, biosynthesis, characterization 3404.

Streptococcus agalactiae, biosynthesis, characterization 3404. 
Hemolyais, assays, Escherichia coli enterotoxins, adsorption, filter paper 4485. 
assays, pathogenicity, Listeria monocytogenes 695. 
assays, rubella virus antibodies screening, man 6745. 
Brucella abortus vaccination, tests comparison, complement fixation, cattle 1582. 
detection antibodies, togavirus, use seroepidemiology, man 4996. 
Escherichia coli, antiboric resistance, isolathon, mice 7316. 
herpesvirus (equine) 1 detection, serum, horses 606. 
immunoassays, rubella virus infection diagnosis, man, immune status 600. 
imfluenza virus detection methodology comparison, hemagglutination inhibition, man 4149. 
methodology, bunyavirus antibodies detection 4164.

man 4149.
methodology, bunyavirus antibodies detection 4164.
Vibrio cholerae, detection, use, Streptococcus β-hemolysin 9288.
Hemorrhagic enteritis virus,
antibodies detection, enzyme-linked immunosorbent assay methodology, chickens
9281. antibodies, detection, gel diffusion, enzyme-linked immunosorbent assay, turkeys

Hemorrhagic fever, antibodies detection, Indirect hemagglutination, viruses, man 7570.

```
Hemorrhagic fever, (continued) association, nephrotic syndrome, viruses, etiology, immune adherence, immuneassays 3251.

HEp-2 cells,
                sensitivity, poliovirus antibodies titration 5003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Hepatocytes, release, rats liver, Clostridium histolyticum proteolytic enzymes role 2573.
  senstrinty, poliovirus antibodies utration 5003.

Heparin, bacteria bic-degradation, media use detection 9293. removal blood, use immobilization heparin lyase, Flavobacterium, immobilization, use heparin removal blood 6865.

Hepartitis, vancings, standardization, books, conferences 4245.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Hepatoma,
tumor cell lines, hepatitis B surface antigen production, vaccines 6607.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Heptacain.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Heptacain, ammonium salts, antibacterial activity, Staphylococcus aureus 7541. 
Heptadecane, biodegradation, Mycobacterium fortuitum, Mycobacterium triviale, gas chromatography 6946. 
Herbal medicines, Alternanthera philoxeroides, antiviral activity, cell culture, influenza A virus, influenza B virus, Sendai virus 7392. 
effects on Aspergillus parasiticus aflatoxins biosynthesis 5377.
                  viruses, vaccines, standardization, books, conferences 4245.
  viruses, vaccines, standardization, books, comerences 42-95.

Hepatitis A, immunoglobulin M detection, enzyme-linked immunosorbent assay, man 4156. outbreaks, seafood, food consumption, man 3691.

Hepatitis A virus,
                attenuation, fibroblasts cell culture, live vaccines, immunity, animal models 6648.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            effects on Aspartames

Herbicides,
antibacterial activity, Streptomyces soil isolates 4737.
effects on dehydrogenase, respiration, soil microorganisms 8254.
effects on Frankia, actinormizas, plants infectivity 2123.
effects on growth, Phytophthora cactorum, Erwinia, antagonism 2177.
effects on nodulation, nitrogen fixation, inoculation, Bradyrhizobium japonicum

Clusine max 8998.
                646.
attenuation, fibroblasts cell culture, vaccination, immunity, monkeys 4074.
cell culture, antigens production, immunodiagnosis methodology 5007.
hepatitis A, immunoglobulin M detection, enzyme-linked immunosorbent a
              4156. 
Immunoglobulins, standardization, immunization (passive) 6618. 
live vaccines, attenuation, tissue culture 6634. 
production, cell culture, kidney, fetuses, Macacca mulatta 5882. 
vaccines, development 6592. 
vaccines, live, attenuation, biotechnology 6641. 
vaccines production 6645.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Glycine max 8998.

effects on soil microorganisms, crop rotation, Zea mays, Triticum aestivum 29 effects on soil microorganisms, population levels 7296.

Gossypium hirsutum, effects on plant diseases, Rhizoctonia solani, Fusarium oxysporum 1,5p. vasinfectum 7963.

inhibition nitrification, biodegradation, soil microorganisms 3969.

inhibition, nitrification, soil 9026.

Phaseolus vulgaris, effects on Rhizoctonia solani root rot 1181.

soil applications, effects on, Drechslera sorokiniana leafspot, Poa pratensis 3803.
vaccines, Ive, attenuation, biorecrinology 6641.

vaccines production 6645.

Hepatitis B, blood transfusion, disease transmission, identification, radioimmunoassay, methodology, man 646.

infection, laboratories, man 2414.

Hepatitis B core antigen, immunoglobulin M, enzyme-linked immunosorbent assay methodology, man 6738.

Hepatitis B e antigen, detection, enzyme-linked immunosorbent assay 2441.

enzyme-linked immunosorbent assay 5012.

hepatitis B virus vaccines, safety, preparation, efficacy 6652.

Hepatitis B surface antigen, arbiganic determinants, vaccines, hepatitis B virus 6612.

blood donors, detection, radioimmunoassay 1546.

cloning vectors, vaccines, hepatitis B virus 6597.

detection, enzyme-linked immunosorbent assay 4984.

enzyme immunoassay, radioimmunoassay 4984.

enzyme immunoassay, radiomunoassay 4983.

expression, yeasts, vaccines production 6628.

gene expression, choning vectors, yeasts, paratis B virus vaccines production 6631.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              sous.
soil applications, effects on fungicides disease control, Vigna unguiculata damping-off 2090.
toxicity, Saccharomyces cerevisiae, nontarget organisms, wine fermentation 2 Herbicolin A, antibacterial activity, Mycoplasma, Acholeplasma, Ureaplasma, Spiroplasma 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            acterial activity, lactic acid bacteria 4723.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            antibacterial activity, lactic acid bacteria 4723.

Heredity,
Myzus persicae, Aphis gossypii, disease transmission, potato virus Y, Datura
metel 3827.

Heritability,
disease tolerance, Glycine max, plant breeding, rot, Phytophthora megaspere
f.sp.glycinea 8085.

Herpe simplex,
herpes simplex,
herpes simplex,
antibodies, defection, enzyme-linked immunosorbent assay 631.
antigenic determinants, synthetic proteins, vaccines production, immunogenic
graphs, choing, gene expression, varcines production 6510.
                6631.
hepatitis B virus vaccines, safety, preparation, efficacy 6652.
preparation, purfication, methodology 5018.
production, vaccines, hepatoma tumor cell lines 6607.
purfication, hepatitis B virus vaccines 6593.
radioimnumosorbent test 609.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          6839 antigens, cloning, gene expression, vaccines production 6810. antigens, cloning, gene expression, vaccines production 6810. antigens, detection, immunofluorescence comparison immunoperoxidase test antiviral activity, artibodies+interferon, conjunctiva cell culture, man 2227. antiviral activity comparison, 2-nor-2-deoxyguanosine, 9-(2-hydroxyethoxymethyl)guanine, DNA polymerase inhibition 1349. antiviral activity, distamycin A, analogs, structure-activity relationships, synthesis 6472. antiviral agents antiviral activity, cell culture 4770. caffeic acid antiviral activity 464. cell culture, cell lines 3242. cell culture, deflection, methodology 8436. clinical isolates, drug sensitivity testing, 9-(2-hydroxyethoxymethyl)guanine 2231.
                radioimmundsorbent test ou-s, receptors, albumin polymers, role liver organotropism, use vaccines production, 
man, Pan troglotivies 7481. specificity, services and production 
                  synthetic, +fatty acids conjugate, immunogenicity, use vaccines, animal models 4071.
    4071.
synthetic peptides, combined vaccines, Corynebacterium diphtheriae toxins, Streptococcus, antibody response, mice 9219.
synthetic peptides, immunogenicity, vaccines production 6609.
transfection, animal cells, vaccines production, hepatitis 8 virus 6594.
vaccines, protein composition, preparation relationship 4070.
vaccines, safety, preparation 6853.
vaccines, synthetic peptides, antibodies specificity 6617.
Hapatitis 8 virus,
a antigen, detection, enzyme-linked immunosorbent assay methodology, serum,
man 8456.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          231. clinical isolates, restriction endonuclease mapping, typing 7558. clinical isolates, typing, lododeoxyuridine sensitivity, thymidine kinase antigenic characteristics 594. detection, fibroblasts cell culture+immunoperoxidase test staining 5002. detection, identification, immunoperoxidase test 625. DNA properties of the control of 
                man 8456.
enzyme-linked immunosorbent assay, detection, hepatilis B e antigen 2441.
genetic engineering, vaccines production 6608.
hepatilis B surface artigen, blood donors, defection, radioimmunoassay 1546.
hepatilis B surface artigen, enzyme immunoassay, radioimmunoassay 4983.
hepatilis B surface artigen, production, vaccines, hepatoma tumor cell lines
6607.
                6997. hepatitis B surface antigen, radioimmunosorbent test 604. hepatitis B surface antigen, receptors, albumin polymers, role liver organotropism, use vaccines production, man, Pan troglodytes 7481. hepatitis B surface antigen, synthetic peptides, immunogenicity, vaccines
                              production 6609.
epatitis B surface antigen, transfection, animal cells, vaccines production
                  poddition burlace antigen, vaccines, safety, preparation 6653. inactivation, disinfectarits 472. infection, 8 artigen detection, radioimmunoassay solid phase methods, man 8454.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                infected BHK cells, 9-(2-hydroxyethoxymethyl)guanine effects on DNA biosyr 4767.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4767.

infected cells, DNA-binding protein, purification, characterization 4254, infection, diagnosis, chemiluminescence enzyme-linked immunosorbent assay infection diagnosis, protein A, membrane filtration 5889. interferon antiviral activity 2233. interferon antiviral activity, bioassays, in vitro 4773. interferon antiviral activity, bioassays, in vitro 4773. isolation, cell culture comparison, fibroblasts, kidney cells 4981. nucleic acids, antiviral activity, nucleosides analogs 8328. recombinants detection, infected cells DNA 5006. seroendemiology man, assume, carebrospinal flyid, enzyme immunoassay 6:
                8454, infection, diagnosis, use, radioimmunoassay, man 640, levels, detection methodology, surface water, drinking water, reviews 2384, proteins micelles, sicolation, immunogenicity, vaccines, Pan troglodytes 6642, vaccines, antigenic determinants, hepatitis B surface antigen 6612, vaccines, cloning vectors, hepatitis B surface antigen 6597, vaccines, especitic engineering, antigens, characterization 6640, vaccines, penetic engineering, antigens, characterization 6640, vaccines, hepatitis B surface antigen, hepatitis B a antigen, safety, preparation, efficacy 6652, vaccines, hepatitis B surface antigen purification 6593, vaccines, hepatitis B surface antigen synthesis, mammalian cells 6626, vaccines, hepatitis B surface antigen, synthetic peptides, antibodies specificity 6617.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                recomonants detection, infected cells DNA 5006.
seroepidemiology, man, serum, cerebrospinal fluid, enzyme immunoassay 6' seroepidemiology, man, serum, cerebrospinal fluid, enzyme immunoassay 6' serotyping, clinical isolates, protein A immunoassays 595, serotyping, immunofluorescence, comparison, monoclonal artibodies, 2-bromovinyl-2-deoxyuridine, sensitivity, methodology 655.
serotyping, monoclonal artibodies 601.
transformed cells, interferon effects on 462.
vaccines production, exercite exclusions 6516.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                vaciones production, genetic engineering 6816, 
erpes elimplex virue 1, 
formation of the control of the contro
                  vaccines, immunogenicity, quality control 6800.
vaccines, preparation, safety, quality control 6651.
vaccines, production, conferences 6799.
vaccines production, hepatitis B surface antigen expression, yeasts 6628.
vaccines, production, hepatitis B surface antigen, gene expression, cloning
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                antiviral activity, 2'-deoxyuridine derivatives, structure-activity relationships
                                  vectors, yeasts 6631
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                antiviral activity, (E)-5-(2-bromovinyl)-2'-deoxyuridine analogs 4763.
```

Hepatitis B virus, (continued) vaccines production, immunogenicity, DNA recombination, synthetic peptides vaccines, purification, immunoaffinity chromatography 6603. vaccines, synthetic peptides 6623.

rpes almplex virus 1, (continued)
antiviral activity, aliphatic amines, effects on syncytia formation 4776, antiviral activity, antiviral agents dosage, computer programs 8323. suffur cycles, soil 894, use blodegradation, not initiation, soils (acid) 4671. suffurial activity, unitide analogs 4031. suffur cycles, soil 8984, use blodegradation, nintication, soils (acid) 4671. suffurial activity, tribamidile 4774. soil microorganisms, acid rain anions effects on 2939. soll-network of the soll-network of biodegradation, industrial wastes, bacteria, fungi 3677.

Hexadecane,
biodegradation, Mycobacterium fortuitum, Mycobacterium triviale, gas
chromatography 6946.
metabolism, inclusion bodies ultrastructure, Arthrobacter 5705.
n-Hexadecane,
Candida lipolytica emulsification 9039.
2-Hexadecane;
purification, Mucor griseo-cyanus 5981.
Hexahydro-1,3,5-frinftro-1,3,5-frilazine,
biodegradation, composting, soil decontamination 7511.
Hexametaphosphate,
+p-hydroxybenzoic acid esters, antibacterial activity synergism, Escherichia coli 3054,
Hexamine silver, Basy: 
dientification, DNA fingerprinting methodology 8458. 
identification, DNA hybridization analysis, membrane filters 608. 
identification, Dyping, monoclonal antibodies, indirect fluorescent antibody test 
2429. identification, DNA hybridization analysis, membrane filters 608. identification, typing, monoclonal artibodies, indirect fluorescent antibody test 2429. Infected helta cells, 9-(1,3-dihydroxy-2-propoxymethyl)guanine, effects on, macromolecules biosynthesis 9125. infected on the fireforn antiviral activity, hela cells, mice L cells 1350. interferon, antiviral activity, leal culture, mice 2226. isolation, identification, issue culture methodology 650. hyporine effects on 4021. mutants, drug resistance, phosphonoacetic acid 2193. includesoides analogs antiviral activity, minimide inhibition, kinetics 460. 2-2-5-cilgo(A) analogs artiviral activity, mechanisms 3065. Portein biosynthesis, antiviral activity, minimide inhibition, kinetics 460. 2-2-5-cilgo(A) analogs artiviral activity, mechanisms 3065. Portein biosynthesis, antiviral activity, minimide inhibition, kinetics 460. 2-2-5-cilgo(A) analogs artiviral activity, mechanisms 3065. Portein biosynthesis, antiviral activity, minimide inhibition, kinetics 460. 2-3-cilgo(A) analogs artiviral activity, mechanisms 3065. Portein biosynthesis, antiviral activity, mechanisms 3065. Portein biosynthesis, antiviral activity, electronoviny)-2-deoxyuridine 5743. egistance, phosphonoacetic acid, 1-8-D-arabinofluranosine thymine 2192. hydroxyethoxymethyl)guanine, resistance, ph waxes, use, Legionelia pneumophila demonstration 3289.

Hexazinone,
toxicity, biodegradation, soil microorganisms 2175.

Hexettidine,
+ zinc, drug synergism, antibacterial activity, Streptococcus mutans 5860.
Hexokinase,
glucose stereospecificity, catalysis, Saccharomyces cerevisiae 6853.

Hexons. adenovirus (human) 5, antibodies, counter immunoelectrophoresis, immunodiagnosis 2439. Hibiscus subderiffs, plant extracts, antifungal activity, aflatoxins biosynthesis, Aspergillus flavus 7897. 7897.
Hidea, microorganisms biodegradation, books 1683.
High-atitude environmenta,
Coniferaties seedings, mines, ectomycorrhizas formation 5547.
High-performance liquid chromatography,
acetaldehyde 2,4-dinitrophenylhydrazone measurements, acetaldehyde analysis,
Streptococcus lacins 6927.
Caladoxin B1 assays, food commination 7044.
Classon B1 assays, food commination 7044. Cortinarius toxins 3741.
detection, ochratoxin A. contamination, Triticum aestivum by-products 5367.
detection, pentoxifylline, metabolites, fungl, bacteria, extracts 8433.
detection, phomenone, Phoma destructiva infection, Lycopersicon esculentum 8824.
erythromycin A, erythromycin B, fermentation, Streptomyces eythraes 3111.
exotoxins, assays, insecticides, biological control, Bacillus thuringiensis 2766.
isolation, psilocybin, psilocin, baeocystin, alkaloids, Psilocybe 3751.
methodology, bacteriochlorophyli c structure, Prosthecochloris aestuarii 9315.
penicillin V 1395.
penicillin V 1395.
purification, proteins, issayaning. Societal in the second proteins are very contemporation. D457 dentification, DNA fingerprinting methodology 8458, dentification, DNA hybridization analysis, membrane filters 608, dentification, DNA hybridization analysis, membrane filters 608 dentification, typing, monoclonal antibodies, indirect fluorescent antibody test 2429.

Infected HeLa cells, 9-(1,3-dihydroxy-2-propoxymethyl)guanine, effects on, macromolecules biosynthesis 9125. Infection, interferon antiviral activity, HeLa cells, mice L cells 1350. Infection, interferon, antiviral activity, cell culture, mice 2226. Solation, identification, tissue culture methodology 650. 2\*5-oligo(A) analogs artiviral activity, mechanisms 3065. resistance, phosphonoacetic acid, 1-8-D-arabinofuranosine thymine 2192. uracil derivatives antiviral activity 6482. penicillin V\*1395. purification, proteins, use vaccines, Sendai virus 6649, ribosomal proteins purification methodology, Escherichia coli 7660. tunicaminyluracii, artibicitic MM 19290, streptowrudin 1425. vancomycin 3152. High-pressure liquid chromatography, auredungin, hamycin, isolation, artifungal activity 5800. avoparcin 3154. aziocillin, serum 509. celtazidime, serum, urine 500. nec-enactirus, physicochemical properties, biological properties, isolation, necenactirus, physicochemical properties, biological properties, physicochemical properties, biological properties, physicochemical properties, biological properties, poly-phydroxybutyrate, Philizobium japonicum, bacteroids, characterization 3167. pp. 1916. pp. detection methodology, fibroblasts, kidney cells 4988.

\*\*ppeavirus\*\*
antiviral activity, plant extracts 8325.

\*\*antiviral activity, uracil analogs,

\*\*9-[2-hydroxy-1-hydroxy-methylethoxy]-methyl]guanine 4013.

\*\*9-[0-1-arabinofuranosyladenine derivatives antiviral activity, synthesis 5748.

\*\*DNA detection, electrophoresis, mammalian cells 4977.

\*\*rpeavirus (equine) 1,

\*\*repeavirus (equine) 1,

\*\*repeavir p-uny-p-ny-unoxyoutryrate, Hnizoorum japonicum, bacteroids, characterization 1653.
purification, victorin, Bipolaris victoriae 7910.
separation techniques, bacteria ubiquinone 1652.
thin-layer chromatography, analysis, aflatoxins, fatty acids fluorescence, grain, Zea mays 8726.
tubercidin, Streptomyces tubercidicus 4378.
vancomycin, serum 8366.
Hippophae, nodulation, actinorrhizas, Frankia 8149.
Hippophae rhamnoides, Glomus fasciculatus symbiosis 2927.
nitrogen fixation, Frankia 4594.
Hippuric acid,
Campylobacter, Clostridium, Streptococcus, detection, gas chromatography, methodology 794.
Hirautella thompsonii var.aynnematosa, liquid culture, conidia production, inoculum, biological control, Phyllocoptruta oleivora 3363.
Histamine, ptection, neutralization, nemaggiutination innibition, nemorysis, serum, noise:
606.

\*\*psevirus (pigeon),
antibiral activity, 9-(2-hydroxyethoxymethy/l)guanine 6476.

\*\*psevirus (turkey),
area servirus, infectious bursitis virus, live combined vaccines production, embryo fibroblasts, chickens 7486.

\*\*terobasidion annosum,
assidiospores deposition, airspora, epidemiology, forests, Tsuga heterophylla 8944 8944. biological control, fungi antagonism, inoculum production, in vitro, Picea abies 8181. Histamine, levels, beer, fermentation 6131. 8181.

stocy fungi, wound infection, bacteria inhibition, Picea abies 7238.

stocy fungi, wound infection, bacteria inhibition, Picea abies 7238.

stocy Populus tremula, stands 356.

spidemiology, genetic markers, mating types, plantations, Pinus 367.

refilization effects on disease resistance, Picea abies, Pinus sylvestris 8169.

rowth inhibitors, production, role host-pathogen interactions 8952.

nedia (selective), assays, roots 2111.

pores, samplers, catching methods, methodology 8488.

terodera daverti,

meraction, Fusarium avenaceum, Fusarium oxysporum, plant diseases, Trifolium subterraneum 5411.

senetration, Trifolium subterraneum, roots, Fusarium avenaceum filtrates effects on 5524. Histidine biosynthesis, Serratia marcescens, stabilization mechanisms 5971. residues, N.M.R., role active sites, Streptomyces erythraeus 1757. residues, chemical modification, active sites, α-D-glucosidase, Saccharomyces cerevisiae 6851. celevisiae dod i, residues, chemical modification, sarcosine oxidase, Corynebacterium 12. residues role, p-{(promoacetyl)-amino|phenyl arsenoxide inibibtion, pyruvate dehydrogenase (lipoamide) dihydrolipoamide acetytiransferase dihydrolipoamide dehydrogenase complex activity, Escherichia coli 3522. L-Histldine.

binding, histidine-binding protein, conformation, N.M.R., Salmonella typhimurium

Subject Index Hordeum vulgare, (continued) L-Histidine, (continued) 6811.

field.ine ammonia-lyase,
activity distribution, soil 8211.
formation, 2-ketoglutarate regulation, Bacillus subtilis 4281.
formation, drug resistance, nitrofurantoin, Vibrio cholerae 3037. 5623
patch, Rhizoctonia solani, surveys, soils (calcareous) 255.
Penicillium, viomellein, contamination, nephropathy, pigs 224.
plant breeding, disease resistance, bardey ejellow mosaic virus 4569.
plant breeding, disease resistance, powdery mildew. Erysishe graminis
f.sp.hordei, Denmark 2880.
plant breeding, disease resistance, rust, Puccinia graminis f.sp.secalis 8073.
plant breeding, disease resistance, smut, Ustilago hordei 2857.
plant breeding, gene frequency, disease resistance 2863.
planting density, crop fields, relationship barley yellow dwarf virus incidence
256. formation, 2-ketoglutarate regulation, Bacillus subtilis 4:261: induction, drug resistance, nitrofurantoin, Vibrio cholerae 3037. Histidine decarboxylase, thermal stability, Micrococcus 6594. Histidine-binding protein, L-bistidine binding, conformation, N.M.R., Salmonella typhimurium 6811. Histidinomycin, antifurosel activity 3137. purification, structure, antifungal activity 3137.

Histone H2B,
role, polyamines biosynthesis regulation, Escherichia coll 2655.

Histoplasma capsulatum,
amtriungal activity, 2-methylquinolines 5740.
antigens extracts, disinfection, thimerosal, formaldehyde, clinical microbiology 310. powdery mildew colonies enumeration 1129. powdery mildew, disease control, avirulent strains inoculation, Erysiphe gramini f.sp. hordel 2066. powdery mildew, disease control, avirulent strains inoculation, Hordeum vulgare 2066. powdery mildew disease resistance, Erysiphe graminis 5498.

powdery mildew, Erysiphe graminis, disease control, use, antitranspirants 291, powdery mildew, Erysiphe graminis f.sp.hordei, factors affecting epidemiology blood culture, recovery methodology, centrifugation+tysis 814. itraconazole antifungal activity, new records 9104. Hog cholers virus, antibodies, detection, immunoperoxidase test, neutralization, pigs 6743. Homobastidiomycetes, ectomycorrhizas, spore germination, environmental factors, roots exudates effects on 2130. on 2130.

Homocysieine,
biosynthesis, Pseudomonas 4268.
methylation, L-methionine production, methanol utilization, Pseudomonas,
methylotrophic bacteria 4264.

Homononectic acid,
intermediatelse, macrolide antibiotics biosynthesis, Streptomyces griseus 6575.

Homoserine,
biosynthesis, Brevibacterium flavum 3436.
biosynthesis, theonine effects on, Brevibacterium flavum 857.

Hemozynotes. Hemozygotes, cytoplasmic inheritance, Saccharomyces cerevisiae, flocculation, fermentation 5268. Honduras, Musa paradisiaca, sigatoka, Mycosphaerella fijiensis var.difformis 8806. Musa paradisiaca, sigatoka, Mycosphaerelia tijiensis var.dimormis 8806. Honeydew, Aphididae, enhancement, Septoria nodorum, Cochliobolus sativus, infection, Triticum aestivum 3906. Hop stunt diseases virus, plant diseases, Cucurbitaceae, pathogenesis 4543. plant diseases, Humulus lupulus, disease reservoirs, epidemiology 4545. stunt, pathogenesis, morphology, Humulus lupulus 8045. Hordeum, plant breeding, powdery mildew disease resistance 2839. powdery mildew. Erysiphe graminis, disease resistance 5501. seed treatments, insecticides ± fungicides, chemical control, Rhopalosiphum maidis 6317. maidis 6317.

Hordeum distribon,
phytobxicity, crop residues, digestion (anaerobic), reduction, soil
microorganisms decomposition 2936.

Hordeum apontaneum,
plant breeding, enzyme polymorphism correlation powdery mildew disease
resistance, Erysiphe graminis f.sp.hordei 7209.
plant breeding, germplasm, disease resistance, powdery mildew, Erysiphe graminis
f.sp.hordei 5496.
Puccinia hordei, parasitism, characterization 7968.
Hordeum vulcare. Puccinia hordei, parasitism, characterization 7968.

Hordenia hordei, parasitism, characterization 7968.

Atlemaria alternata leaf blotch, Aspergillus variecolor biological control 2083. bariey yellow dwarf virus inflection, pathology, Hungary 7949.

brown rust, Puccinia hordei, pathogenesis 5424.

carbon fixation enzymes, ribulosebisphosphate carboxylase, activity, powdery mildew, Erysiphe graminie I sp., hordei inhibition 5434.

crop fields, denitinication, gas production, nitrogen nitrous oxide ratio 5672.

crop fields, wind dispersal, phytopethologenic fungli popres, modelling 5403.

crop residues, smoke, antifungal activity, fungli 8319.

cuthvars, mixed culture, incidence, Erysiphe graminis powdery mildew, leafspot, Helminthosporium, Drechstera 2841.

cytopathogenicty, net blotch, Pyrenophora teres 1982.

deposition, urediniospores, Puccinia hordei, earrosols, methodology 8786.

disease resistance breding, Puccinia hordei leaf rust 301.

disease resistance, hypersensitive response, host-pathogen interactions, rust, Puccinia hordei, models 2860.

disease resistance, mildew, incoulation, avirulent Erysiphe graminis f.sp.hordei 3882. disease resists 3882. disease resistance, powdery mildew, genetic analysis, plant breeding association 8081.
disease resistance, Puccinia hordei, hybridization, Pa3 gene, Pa7 gene 8063, disease resistance, Rhynchosporium secalis scald, Erysiphe graminis powdery mil/dew, Helminithosporium teres net blotch, genetic variance, plant breeding 316, dose-response effects, inoculation, barley yellow dwarf virus 8783. Drechslera graminea infection, epidemiology, Turkey 1987. Pergosterol, use, detection, Drechslera graminea, infection 7981. Erysiphe graminis infection, disease resistance, genetic control 2067. flour, food contamination, nivalenol, vomitoxin, Fusarium graminearum, levels 2737. [fundicides, field trials affects on yield 327. 2737.

grain, food contamination, trichothecenes, gas chromatography 7107.

grain, storage, Penicillium isolation, identification 7197.

growth, nutrient uptake, inoculation, vesicular-arbuscular mycorrhizas 7257.

host-pathogen interactions, powdery mildew, genotypes, virulence, Erysiphe graminis 1-sp. hordei 8791.

infectivity, Tyhula incarnata, dikaryons, monokaryons, recombination 2788.

isolates, Septoria nodorum, sectoring, role, pathogenicity, temperature effects on 1994.

on 1994. leaf blotch, Rhynchosporium secalis, triadimenol sensitivity 5530. leaves culture, cultivars effects on Puccinia graminis f.sp.tritici 1991. leaves, polyribosomes translation activity, Erysiphe graminis f.sp.hordel infection 251.

5422
powdery middew, Erysiphe graminis f.sp.hordei, factors affecting conidia production 7957, powdery middew, host-pathogen interactions, germ tubes, appressoria, penetrati Erysiphe graminis f.sp.hordei 6788. powdery middew incompatibility, carbon dioxide exchange 1130. Pyremophora teres infection, factors affecting pathogenesis 7946. Pyremophora teres infection, factors affecting pathogenesis 7946. Pyremophora teres infection, factors affecting pathogenesis 7946. Pyremophora teres infection, factors affecting pathogenesis 1946. Pyremophora teres infection, factors affecting pathogenesis leaf blotch, barley yellow dwarf virus effects on disease resistance 1195. ritizesphere microorganisms, carbon utilization, release 2930. Phynchosporum secalis, scald disease, pure culture, biosynthesis, rhynchosporosides 3801. seedlings orowth, stimulation, colonization, soll microorganisms 3936. mynchosporosides 3801. seedlings growth, stimulation, colonization, soil microorganisms 3936. seedls, barley stripe mosaic virus, infection, effects on, yield 4516. Septoria infection, reviews 1985. Septoria nodorum virulence 7148. straw, decomposition, nutrient cycles, soil microorganisms 5883. straw, decomposition, soil microorganisms, leaching effects on 2942. straw, pretreatment, use, alkalis, cellulase, effects on bacteria fermentation 1045. 1045
take-all, Gaeumannomyces graminis var tritici, senescence effects on 7954. varieties, plant breeding, disease resistance, host-pathogen interactions, virulence, powdery mildew 2862. yield components, Cochilobolus sativus root rot 5428. yield, net blotch, Drechslera teres, Denmark 8782. yield, powdery mildew, brown rust, disease control, tridemorph, benodanil 2900 formonema demattoides, biodeterioration, forest products, colonization, succession, preservatives, effects on 1241. Hormones, mediation, tumorigenesis, bacteria, pathogens, plants 8856.

Horseradish peroxidase,
+antisera, stains, bovine diarrhea-mucosal disease virus, detection, microscopp avidin biotinylated, complex, use, Spirochaetaceae microscopy 3283. +2,2-azino-di(3-ethyl benzthizaoline-6-aulfonic acid) media, bacteria detection, hydrogen peroxide production 5900. contagious equine metritis, Haemophilus equigenitalis, media (isolation), methodology 3307. contagious equine metritis, Haemophilus equigenitalis isolation, incubation time 7573. royles sialoglycoproteins, use, latex agglutination, Epstein-Barr virus Paul-Bunnell artibody detection 1563. serum, herpesvirus (equine) 1 detection, neutralization, hemagglutination inhibition, hermolysis 606. Horticulture, hermolysis 606. ospitali, cisus se, bacteria antibiotic resistance relationship 3030. articolore de l'acceptato Scot. blood culture, clinical isolates, bacteria, antibiotic sensitivity testing 7400.

food, Pseudomonas aeruginosa isolation 5347. flood, Pseudomonas aeruginosa isolation 5347. 
fung, air spora 5864. 
laundry washing, bacteria enumeration 3226. 
Legionella preumophila, culture methodology, drinking water isolates 789. 
Pseudomonas aeruginosa clinical isolates, antibiotic sensitivity testing 4800. 
solid wastes, microorganisms, contamination 4963. 
Staphylococcus aureus disinfection, lactic acid bacteria antagonism 3227. 
surgery, disease control, antiseptics 1518. 
waste disposal, erwironmental hyglene, pathogens 2359. 
waster supplies, disease transmission, Legionella pneumophila, Legionnaire's 
disease, Legionella micdadei, Pittsburgh pneumonia agent 5854. 
water supplies, Legionella pneumophila d931. 
water supplies, Legionella pneumophila isolation 1498. 
water supplies, Legionnaire's disease, epidemiology, British Isles, man 3215. 
odat alternation, Host alternation, Comptonia peregrina, Cronartium comptoniae, rust, epidemiology, Pinus banks 5602. Phakopsora pachyrhizi, rust, host range, disease reservoirs, Leguminosae 794
Host plants,
cultivars, effects on Puccinia graminis f.sp.tritici infection, leaves culture 1991.

fflects on susceptibility, Beauveria bassiana, biological control, Leptinotarsa decemlineata 2651.

freblight, reviews 7166.
host-parasite interactions, crown gall, cell proliferation, Agrobacterium 8855.
host-parasite interactions, genetic analysis, host specificity, bacteria, viruses, fungi 8767. necrosis mutation, role powdery mildew disease resistance 3854. nutrient uptake, anions, growth, stimulation, vesicular-arbuscular mycomhizas

st plants, (continued)

boronis bainesii, root hairs symbiosis, Rhizobium leguminosarum, Bradyrhizobium
(aponicum, roe lectins 6382;

trange,
(san yellow mosaic virus, clover yellow yein virus, white clover mosaic virus

san yellow mos Trifolium 1113. mosaic virus, clover yellow vein virus, white clover mosaic virus

Trifolium 1113.

Trifol

/ 1940. https://doi.org/index.org/in

ust fungi, india 2036.

Santa fungi, india 2

4557.
obacco streak virus isolation, characterization 4565.
omato yellow top virus, Solanaceae 7180.
valermelon mosaic virus, plant diseases, Cucumis sativus, Lagenaria siceraria,

omato yellow top virus, Solanaceae 7180.

watermeion mosalic virus, Plant diseases, Cucumis sativus, Lagenaria siceraria, Morocco 6270.

wilk, Pseudomonas solanacearum, crops 7177.

tucchini yellow mosaic virus, USA, Florida 3815.

et specificity, grobacterium rivisorenes, vitis vinifera 269.

vena sativa, Heiminithosporium victoriae phytotoxins 7902.

toet-pathogen interactions, host plants, genetic analysis, bacteria, viruses, fungi 8767.

mycorrhizas, characterization, plants 8974.

hitzobium, Leguminosae 9004.

fertilicidadielia wageneri, morphology, variants, Pseudotsuga menziesii, Pinus ponderosa 4613.

et systems, scherichia coli, Cellulomonas fimi cellulase genes, transformation, gene axpression 6018.

scherichia coli minicells, use cDNA gene expression analysis 757.

et-parasite Interactions, grobacterium, crown gali, cell proliferation, host plants 8855.

cet-pathogen interactions, predator-prey interactions, Spodoptera littoralis, Bacillus thuringiensis, Zebe chloropthalmian, Paederus alferii, Egypt, Arab Rep. 128.

hymatotrichum omnivorum, Gossypium hirsutum, observation methods, equipmethods, equipmethods,

https://www.districhum.omnivorum, Gossypium hirsutum, observation methods, equipmentHumidiflers gram-nega

292cs.
st-pathogen Interactions,
canthamoeba polyphaga, Legionella pneumophila, media (enrichment), isolation
methodology 2445.
coemonium zonatum penetration, leaves, biological control, Eichhornia crassipes

cremonium zonatum penetration, leaves, biological control, Eichhornia crassipes 827.
sacteria, plants, reviews 4497.
zladosporium caryigenum, scab, leaves histopathology, disease resistance, Carya illinoensis 3814.
ilsease resistance, plant breeding, reviews 3871.
isease resistance, plant breeding, reviews 3871.
isease resistance, plant breeding, role phytoalexins, reviews 2056.
isease resistance, plant breeding, rops 2866.
pidemiology, disease resistance, plant breeding, rops 2866.
inwinia chrysanthemi, disease resistance, Zea mays 3880.
irrysiphe cichoracearum, powdery mildew, disease resistance, Curcurbita moschatz
3862.

stance. Curcurbita moschata

Jaysinhe citoriacearum, powdery mildew, disease resistance, Curcurbita moschata 3062.

3062.

3062.

Hordeum vulgare 2861.

Hordeum vulgare 3861.

Hordeum vulgare 3862.

Hordeum vulgare 3862.

Hordeum vulgare 3862.

Hordeum vulgare 8862.

Hordeum vulgare 8863.

Hordeum vulga

Host-pathogen interactions, (continued)
plant breeding, crops 2865.
phytopathogenic fungi, disease resistance, plant breeding, Vitis vinifera,
Coffea, Cocos, Ficus carica 2869
phytopathogenic fungi, in vitro growth, plant cells monosacchandes 7125.
phytopathogenic fungi, in vitro growth, plant cells monosacchandes 7125.
phytopathogenic fungi, mathematical models, population density, disease
resistance, plant diseases 2772.
phytopathogenic fungi, roots, agricultural practices, Triticum aestivum 3807.
Phytophthora megasperma, disease resistance, Medicago sativa 8887.
Phytophthora megasperma f.sp.glycinea, hyphae, α-mannans localization,
Glycine max 7941.
Phytophthora megasperma, ultrastructure, disease resistance, Medicago sativa
8888.

Pseudomora megasperma, ultrastructure, disease resistance, Medicago sativa 6888 plant diseases, leviews 4494. plant diseases, reviews 4494. plant diseases, reviews 4494. plant viruses, plants genomes, structure-activity relationships, books, conferences 3391. powdery mildew virulence, disease resistance, plant breeding, varieties, Hordeum vulgare 2862. Pseudomonas syringae infection, stimulation phytoalexins production, cell culture, Glycine max 2058. Puccinia graminis, Puccinia recondita, races, virulence genes, disease resistance genes, plant breeding, Triticum aestivum 2858. Puccinia graminis f.sp. tritici, rust, disease resistance, Triticum aestivum 8092. relationship biological control, weed control 3891. Rigidoporus lignosus, root fort, disease spread, kinetics, Hevea brasiliensis 5604. Scierospora graminicola, downy mildew, poerwantent in the control service.

Sclerospora graminicola, downy mildew, geographical variations, Pennisetum americanum 5431.

americanum 5431.

Sclerospora graminicola, downy mildew, pathogenicity, isolates, comparison, Africa. Asia, Pennisatum kiphoides 2796.

Sclerospora graminicola, downy mildew, Pennisetum americanum 7973. specificity, pitant diseases 1102.

Ustilago hordei pathogenicity, smut, genetic analysis, disease resistance, plant breeding, models, Hordeum vulgare 2857.

Ustilago violacea, models, islands biogeography, Viscaria vulgaris 3840. virulence, plant diseases 8765.

Xanthomonas campestris pv. malvacearum, blight, Gossypium hirsutum, reviews 3846.

Hosts. bacteria, adsorption, phages enumeration methodology, water 2408, tobacco ringspot virus, tomato ringspot virus, weeds 3818.

Housing, airbome microorganisms, cattle 6722.

allionie microorganisms, cattle o722.

HT-2 toxin,
biosynthesis, Fusarium solani var.coeruleum, potatoes 5372.
fungi, ilquid chromatography assays, Triticum aestivum, Secale cereale 3739.

Humic acld,

biodegradation, activated sludge,  $\gamma$  radiation treatment, leachates 1489. Hundra acties, effects on production, biomass, single-cell protein, peat hydrolysates, Candida

tropicalis 6809.

 F-D-gluosidase characterization 1740.
 Immobilized cells, rifamycin oxidase activity 5083.
 Immobilized cells, rifamycin production 4054.
 Humicola lanuginose,
 malate dehydrogenase, purification, characterization, comparison, Mucor pusillus 8576

gram-negative bacteria endotoxins, allergic alveolitis, man 1943. textile industry, Cytophaga endotoxins, allergic alveolitis, man 1944.

Humidity, effects on aflatoxin B1 levels, manure, chickens 6208. Vicia faba, effects on Botrytis fabae infection pathogenesis 5413.

Vicia faba, effects on Botrytis fabae infection pathogenesis 5413.

Humflication,
carbon sources, decomposition, biomass levels, soil microorganisms, clays 2938.
organic matter decomposition, mathematical models, soil microorganisms 5638.

Humulus lupulus,
American hop latent virus incidence, Germany, Fed. Rep. 6260.
plant diseases, hop stunt disease virus, disease reservoirs, epidemiology 4545.
Pseudopernonspora humuli downy mildew, disease control, comparison, disease resistance cultivars, pruning, fungicides, reviews 1170.
stunt, pathogenesis, morphology 8045.
Verticullium albo-atrum pathogenesis, colonization correlation disease resistance

7207 Verticillium albo-atrum virulence, relationship conidia antigenic characteristics

2006 wilt, pathogenicity, Verticillium albo-atrum 5459.

wit, pathogenicity, Verticilium aino-atrum 5459.

dynamics, soil microorganisms role, biochemical characteristics 2148.
enrichment, ameba population dynamics, fungi effects on 4629.
formation, pathway, microorganisms 9895.
mineralization, carbon, nitrogen, soil pH 5556
nitrogen cycle, Picea stichensis plantations 8167.
production, decomposition, litter, plant debris, Pinus pumila, microorganisms

ests. Picea 2916.

soil microorganisms thiosulphate sulphurtransferase, forest xenobiotics binding, soil microorganisms association 1258.

Hungary, barley yellow dwarf virus, infection, Hordeum vulgare, pathology 7949. drinking water, incidence. Pseudomonas aeruginosa 4939. Zea mays, leafspot, Macrophoma zeae 7969. Hyadaphis Foeniculi, vectors coriander feathery red-vein virus, USA, California 3822.

Hyalella azteca, association, bacteria, methodology, characterization, drinking water,

association, beating, memorary, managementation, disinfection 6712.

Hyalothyridium maydis sp.nov., leastpot, 2sa mays 7983.

Hyaluronate lyase, extracellular enzymes, propylene phenoxetol inhibition, Propionibacterium acnes extracellular enzymes, propylene phenoxetol inhibition, Propionibacterium acnes

4/20. Hyeluronidase, activity determination, bacteria media (culture), turbidity methodology 3265. production, Streptococcus group A 4336. production, Streptococcus groups 8540.

Hybridization,
detection, potato spindle tuber viroid, Solanum tuberosum 8861.
Hordeum vulgare, Pa7 gene, Pa3 gene, disease resistance, Puccinia hordei 8063.
Neurospora crassa colonies filters, methodology 2534.
spot, plant viruses infection diagnosis, crops 7924.
strains development, Saccharomyoes, mutation, methodology 7801.
Hybridization analysis,
coliforms tetracycline resistance incidence, feces, man 1316.
detection, subterranean clover red leaf virus, plants, Aulacorthum solani,
methodology 4151.
DNA, cytomegalovirus fluman). use. 2-acatylamianflusiana, analysis and control of the control of t topacco mosaic virus HNA detection, piants, ussues, protopiasis 4459.

Hybridoma,
monoclonal antibodies, barley yellow dwarf virus, characterization 5892.
monoclonal antibodies, production, use immunodiagnosis, Legionelia pneumophila
2501. 2011.

2011.

amonocional antibodies, soybean mosaic virus, lettuce mosaic virus, maize dwarf mosaic virus, use radioimmunoassay, diagnosis, plant diseases 4998. production, monocional antibodies, use, Legionella pneumophila serotyping 2518. Hydrangee mecrophylle, isolation, plant viruses, hydrangea mosaic virus, antigenic characteristics 2017. Hydrangea mosaic virus, plant viruses, isolation, Hydrangea macrophylla, antigenic characteristics 2017. plant viruses, isolation, Hydrangea macrophylla, antigenic characteristics 2017. 
Hydraulics of the plant viruses, isolation, effects on soil microorganisms percolation 7509. 
Hydraulics of the plant viruses, isolation, growth, Pseudomonas pseudomallei, Salmonella hydraulics of the plant viruses of the ydrocarbons,
alicyclic ring, biodegradation, reviews 8277.
sromatic compounds, biodegradation, reviews 8278.
biodegradation, plasmids, genetic analysis, reviews, hydrocarbon-degrading
bacteria 8284,
biodegradation, Pseudomonas aeruginosa 4683.
biodegradation, Pseudomonas, mechanisms 3988.
biodegradation, reviews 8276.
biodegradation, reviews, books 8495.
biodegradation, sewage microflora, waste water, oil installations 2374.
biodegradation, sowage microflora, waste water, oil installations 2374.
biodegradation, sowage microflora, waste water, amylase, activity,
association 2189.
carbon sources, Aspergillus flavus, proteinase, α-amylase, activity,
association 2189. carbon sources, fermentation, single-cell protein production, reviews 8288. carbon sources, nutrient requirements, L-lysine production, Arthrobacter globiformis 4265. gases, metabolism, reviews, microorganisms 8283.
metabolism, Acinetobacter calcoaceticus growth characterization, cells partition metabolism biodegradation, isobutane, propane, Nocardia paraffinicum, oxygenase

acetylene, inhibition 6888.

acetylyne, inhibition 6888.

acetyly, butanol fermentation, carbon monoxide inhibition, Clostridium acetobutylicum 8646.

Alcaligenes entirophus, immobilized cells, wastewater treatment, tritiated water unclear power plants 554.

Alcaligenes entirophus, immobilized cells, wastewater treatment, tritiated water unclear power plants 554.

-ferredoxin+chloroplasts, immobilization, production, hydrogen, oxygen 5161 immobilization, activity, Desulfowhor desuffuncans 6837.

isolation, characterization, Rhizobium growth, autotrophy 3461.

kinetics, gene manipulation, hup gene, Rhizobium 9008.

nickel characterization, Methanobacterium thermoautotrophicum 8561.

nickel, iron, characterization, Methanobacterium thermoautotrophicum 8560.

purification, Acatobacter vinelandii 6858.

purification, characterization, Clostridium pasteurianum 6839.

purification, characterization, Clostridium pasteurianum 7731.

purification, characterization, membranes localization, Rhodopseudomonas capsulata 2567.

ydrogenation, metabolism, biodegradation, Isobutiane, propane, Nocardia paraminicum, oxygens activity 8275. metabolism, growth, Cladosporium resinae 1301. metabolism, production, single-cell protein, amino acids, fuels, methylotrophic bacteria 5706. metabolism, Pseudomonas aureofaciens, wells, contamination 1497. metabolism, surfactants production, surface activity, Acinetobacter calcoaceticus

8629 nutrient uptake, Acinetobacter calcoaceticus, role extracellular cell membranes,

particles 7308.
I and gas industry, wastewater treatment, industrial effluents, biodegradation,

oil and gas industry, wastewater treatment, industrial effluents, biodegrada Pseudomoras aeruginosa, Egypt 2190. oxidation, catalysts, methylotrophic bacteria 425. oxidation, mixed culture, Pseudomonas, Mycobacterium 7312. oxidation, mixed culture, Pseudomonas, Mycobacterium 7312. oxidation, wastewater treatment, role plasmids, Acinetobacter Iwoffi 7309. production, aerobic conditions, microorganisms 9034, substrates, nitrogen utilization, growth, Candida guilliermondii 8289. utilization, L-lysine production, Micrococcus varians 1732. Utilization, Mycobacterium philei, growth, metabolism 422. Hydrochloric acid, pretreatment, cellulose, hydrolysis, cellulase 3656.

Ingeroenteric acid, professional series and series are series and series and series and series and series are series and series and series and series are series and series and

Hydrodynamics,
mass transfer, glucose isomerase, immobilized enzymes, mathematical models,
reactors, Streptomyces 5168.

Hydrogen, effects on Rhizobium leguminosarum, nitrogen fixation, nodules, Pisum sativum 2987. gas production, nitrogen fixation, environmental chambers, Leguminosae 2986.

Hydrogen, (continued)
gas production, temperature, light intensity effects on, Rhodopseudomonas
capsulata 5219.

capsulate 5219. immobilized enzymes kinetics, effects on 4356. inhibition, methanogenesis, immobilized cells 7304. metabolism, methanogenesis, carbon monoxide, carbon sources, Methanosarc metabolism, me barkeri 3982

barkeri 3982.
production, bacteria 3584.
production, bioreactors, Enterobacteriaceae 6923.
production, immobilization, hydrogenase i-ferredoxin+chloroplasts 5161.
production, immobilized cells, Rhodopseudomonas 3559.
production, marine microorganisms 3582.
production, molasses conversion, immobilized cells, Clostridium butyricum 357
production, Rhodospirillaceae, use, organic acids, nitrogen sources association 1843

1843. uptake, cosmids, optimization, nitrogen fixation, Bradyrhizobium japonicum 896 uptake, methanogenic bacteria, measuring techniques 3263. Vitis vinifera content, relationship, fermentation wine, Saccharomyces eliipsoideus 7793. xanthine ovidase, hypoxanthine, milk, inhibition, dairy starters 7863. Hydrogen bacteria, chemoautotrophy, screening, autoradiography 3261. methanogenic bacteria, mixed culture, acetic acid conversion, methanogenesis

3984

Hydrogen bonding,
N.M.R. I.R. spectroscopy, toxins, Helminthosporium carbonum 7911.

1. role, secondary structure, roseotoxin B, Trichothecium roseum 8756.

Hydrogen dehydrogenase,
purification, Alcaligenes eutrophus 5997.
purification, hydrophobic chromatography methodology, Alcaligenes eutrophus 59

Hydrogen fluoride,
hydrogen, Populus trenuloides wood, sugars utilization, 2,3-butanediol
production, Klebsiella pneumoniae 8632.
Phaseolus vulgaris, leaves lesions, Xanthomonas campestris var.phaseoli, effe
on 7133.
pretreatment, lignocelluloses, bloderwatetten, Chemical Convention of the conven

on 7133.
pretreatment, lignocelluloses, biodegradation, Chaetomium cellulolyticum, Sporotrichum puiverulentum, single-cell protein production 1712. pretreatment, wood, hydrolysates fermentation, ethanol production, Zymomona mobilis, Clostridium saccharolyticum 5270.

mobilis, Clostridium saccharolyticum 5270. Hydrogen peroxide, antibacterial activity mechanisms 4007. antifungal activity, Aspegillus furnigatus spores, Candida albicans 4014. bioaccumulation. Streptococcus lacitis, sugars fermentation 2686. + cellulase, ethanol production, lignocelluloses fermentation 5303. disinfection 1510. Interpretation brown ort. Prof. Polis alexantis 1173.

disinfection 1510.

disinfection 1510.

spirit rive radicals, deliulose biodegradation, brown rot, Poria placenta 6173.

+ heat, disinfection, septic tanks effluents 9243.

+ hypothiocyanite, bactericidal activity, cytotoxicity, Peptostreptococcus anaerobius, Escherichia coli 6445.

pretreatment, lignocelluloses, cellulolytic enzymes activity, Trichoderma reesal

3652. productio, bacteria detection, 2,2'-azino-di(3-ethyl benzthizaoline-6-sulfonic acid)+horseradish peroxidase media 5900. production, Phanerochaete chrysosporium mycelia, fatty acyl-CoA oxidase act lignin biodegradation 3476. resistance, bacteria spores, food industry 6414. +thiocyanate, +lactoperoxidase, antibacterial activity, Streptococcus agalactia cystine, reduction, antagonism 3058.

cystine, reduction, antagonism 3058. 
Hydrogen sulfide, 
bacteria, spoilage, Gadus morhua 3689, 
corrosion, methane composition, methanogenesis, digestion (anaerobic) 5701, 
xxidation, bioreactors, chlorobium thiosulfatophilum, computer applications, 
monitoring 3612. 
Hydrogenase, 
activity, assays, Campylobacter fetus subsp.jejuni 3327, 
activity, Assprillum brasilense, nitrite, nitric oxide, carbon monoxide, 
acetylene, inhibition 8585, 
activity, hattool fermentation, carbon monoxide inhibition. Clostridium

Hydrogenation,
Corynebacterium equi, chalcone carbon bonds 6153.
Hydrogenaterium equi, chalcone carbon bonds 6153.
Hydrojuglone glucoside,
relationship, anthracnose, Gnomonia leptostyla, disease resistance, Jugians r

Hydrolase multienzyme complexes, isoelectric focusing, Trichoderma reesei 8572. patterns, Penicillium soil isolates, population dynamics 6319.

patients, successful and successful

ydrolysis, agarose, use, immobilized enzymes, proteins immobilization 2580, bagasse, sugars production, Trichoderma reesei cellulase 1808. carbohydrates, fermentation criteria 3666. casein, elastin, Bacillus subtilis proteinase 921. cellobiose, β-D-glucosidase, Thermoanaerobacter ethanolicus 3493. cellulase, piterdwoods, glucose production 5160. cellulase, piterators comparison 4441. cellulase, petretatment, zinc chloride, hydrochloric acid 3656. cellulose, cellulase, petretatment, zinc chloride, hydrochloric acid 3656. cellulose, cellulolytic enzymes, books 3386.

162

protysis, (continued)

solutiose, Cicistridium stercorarium, cellulase characterization 1738.

sellulose, Otiostridium stercorarium, cellulase, peracetic acid, sodium hydroxide, phosphoric acid, effects on 188.

sellulose, Trichoderma viride, cellulase, peracetic acid, sodium hydroxide, phosphoric acid, effects on 188.

luxymes, crop residues, radiation-tchemicals pretreatment effects on 1044.

[3-9-D-glucas, yeasts membranes, glycosylation 1893.

l-actam artibiotics, 9-lactamase, Bacillus licheniformis 4689.

gnocelluloses, 'richoderma harianum cellulase, factors affecting 1892.

Interpolation of the control of t

tydroxy-benzimidazolytcobamide, derivatives, Methanosarcina barkeri, biosynthesis, isolation, characterization 3553.

droxy-hydroperylenediones, structure, Alternaria 8735.

tydroxy-1,4-naphthoquinone, elationship, anthracnose, Gnomonia leptostyla, disease resistance, Juglans nigra 3855.

stationship, annivaciose, dinformali epitosiyia, disease resistance, Jugians nig 3855.

3855.

Alexandria de la disease, alexandria de la disease disease

3054.

Arthytotxicity, Pseudomonas, Synecephalastrum racemosus degradation effects on, alleiopathy, Triticum aestivum 373.

—thytorxycenzylbenzimidazole, alleion, RNA biosyrihesis, tobacco mosaic virus, disease control, Nicotiana tabacum 7216.

tabacum 7216. tabacum 7216. ydroxbutanoete, ydroxbutanoete,

ormation, ethyl 3-exobutanoate reduction, Geotrichum candidum, Asperginus Inque-8631
4-Hydroxybutyl)guanine, inhibition, herpes simplex virus 1, kinetics 460. hydroxybutyri-CoA dehydrogenese, unification, lon-exchange ctromatography, Clostridium kluyveri 8588. Hydroxycephalosporin C, ormation, cophalosporin C chemical modification, Streptomyces clavuligerus 3098. hydroxycorticesterore, ethydroxycorticesterore, ethydro

9-(2-Hydroxyethoxymethyl)guanine, (continued)
effects on DNA biosynthesis, herpes simplex virus infected BHK cells 4767.
production, 2,6-diamino-9-(2-hydroxyethoxymethyl)purine conversion, Escherichia
coli, adenosine deaminase 902.
sensitivity relationship, herpes simplex virus 1 thymidine kinase phosphorylation

side effects, central nervous system, antiviral activity, clinical aspects, man, reviews 474

vidarabine, antiviral activity, DNA biosynthesis, herpes simplex virus 1 7388. + vidarabine, antiviral activity. DNA biosynthesis, herpes simplex virus
(-1.Hydroxyethyl)-carbapenems,
derivatives, antibacterial activity, structure-activity relationships 4820.
(-2(1.Hydroxyethyl)-2-deavinyl-chiorophyllide a, isolation, characterization, Phodopseudomonas sphaeroides 6893.
- Production, Varrowia lipolytica 2560.
- Hydroxyguanine,
derivatives, antiviral activity 7387.

Hydroxylase, purification, characterization, microsomes, cell culture, Aspergillus ochraceus 5124.

benzo(a)pyrene, dependent, cytochrome P-448 activity. Saccharomyces cerevisiae

Hydroxylation,

Hydroxylatton,
Actinomyces, novobiocin, derivatives, chlorobiocin 5792.
2,4-dihydroxyphenylethylamine, 2,4-dihydroxyphenylalanine, monophenol monooxygenase, Basidiomycetes 890.
1-(Hydroxymethyl)-2,1-benzlsoxazol-3(1H)-one, analogs, antitungal activity, Penicillium oxalicum, antibacterial activity, Pseudomonas aeruginosa 9140.
Hydroxymethylglutaryl-CoA reductase, activity, Glycine max cell culture, Phytophthora megasperma f.sp.glycinea cell walls effects on 5507.
Non-Hydroxynehyll qlycine.

walls effects on 5507.

\*\*Ne-P-Hydroxyphenyl) glycine,
+iodine complexes, antimicrobial activity 4033.
\*\*m-Hydroxyphenylacetic actid,
Rhizoctonia solani, effects on Glycine max, nodulation, histopathology 1119.

16c-Hydroxyprogesterom dehydroxylase,
isolation, characterization, Eubacterium 4310.

Hydroxyproline,
content, cell walls, Medicago sativa, association, wilt, Verticillium albo-atrum,
Corynebacterium michiganense pv. insidiosum 7928
lavels, cell walls, Cucumis sativus, disease resistance, Cladosporium cucumerinum
7906.

2-Hydroxypyridine N-oxide, analogs, binding, inhibition protocatechuate 3.4-dioxygenase, Pseudomonas aeruginosa 888.

aeruginosa 888.
Hydroxyquinol 1,2-dloxygenase,
characterization, Trichosporon cutaneum 6864.
16-Hydroxyrortdin,
Myrothecium roridum metabolites new records 1929.
7a-Hydroxysteriod dehydrogenase,
purification, induction, chenodeoxycholic acid, deoxycholic acid, Clostridium
absonum 4305.
78-Hydroxystariod dehydrogenase.

78-hydroxysteriod dehydrogenase, purification, induction, chenodeoxycholic acid, deoxycholic acid, Clostridium absonum 4305.

absonum 4305.

20;Hydroxysteroid dehydrogenase,
crystallography, X-ray diffraction, Streptomyces hydrogenans 6834.

3c-Hydroxysteroid dehydrogenase,
activity, dehydrocynia dehydrogenase,
activity, dehydrocynia acid reduction, 12-ketochenodeoxycholic acid synthesis,
NADH regeneration 6090.
Aspergillus phoenicis, immobilized enzymes, androstane dione synthesis 106.
immobilized enzymes, +alkanal monooxygenase (FMN-linked)+dihydrolpoamide
dehydrogenase, biotumisecence bioassays, bile acids measuring techniques 3462.

7c-Hydroxysteroid dehydrogenase,
activity, dehydrocholic acid reduction, 12-ketochenodeoxycholic acid synthesis,
NADH regeneration 6090.

- alkanal monooxygenase (FMN-linked)+NAD(P)H dehydrogenase (FMN), immobilized
enzymes, determination bile, serum 5131.

Hyglene,

hyglene, contamination, sampling, meat industry 3714. 
dairy industry 5867. 
food processing, meat industry, poultry, bacteria contamination 3707. 
milk processing, quality control 7001. 
preservation, cosmetics 7397 
standards, microorganisms contamination, minced meat 5318. 
sterilization, disinfection, breweries 7547.

Hygromycln B, antibiotic microscopic properties (2017). Hygromycln B, antibiotic resistance, aminocyclitol phosphotransferase, gene mapping, plasmids, Escherichia coli 427.

Hymenaee,
leaves resins, antifungal activity, Pestalotia subcuticularis 5506.
Hymenaea courbaril,

rymenses courbarn, plant extracts, caryophyliene epoxide, antifungal activity, fungus gardens 2221. Hymphoxylon mammatum, stem canker, Populus tremuloides, virulence, pathogenesis, disease resistance

Hyodeoxycholic acid, conversion, Pseudomonas, anaerobic conditions, products identification 876. Hypelcin, conformation, I.R. spectroscopy, X-ray diffraction 3140.

conformation, I.R. spectroscopy, X-ray diffraction 3140.

Hypera postica,
larvae, biological control, toxicity, bioassays, exotoxins, Bacillus
thungiensis 8641.

Hyperparasitism,
Dissoconium aciculare, biological control, powdery mildew, Erysiphe 8911.
Pythium oligandrum, biological control, Rhizoctonia solani 2079.
Teratosperma oligocladum, Sclerotinia, biological control, phytopathogenic fungi

Verticillium biguttatum, Gliocladium roseum, biological control, Rhizoctonia solani, mycelia soli amendment, Solanum tuberosum 2089. Verticillium psalliotae, Hemileia vastatrix rust, Coffea, Malaysia 1204.

Hypersensitive response,
Ceratocystis minor, blue stain, Penicillium, seasonal variations, Pinus ponderosa

Hypersensitive response, (continued)
Erwinia rubrifaciens pathogenicity, Nicotiana tabacum 2074.
Erwinia rubrifaciens pathogenicity, Nicotiana tabacum 2074.
Erwinia rubrifaciens pathogenicity, Nicotiana tabacum 2060.

Nicotiana tabacum 2060.

Fivnina rubrifaciens pathogeniosy, Evinician tobacco mosaic virus, tobacco to ethylene, biosynthesis, infection, bolacco mosaic virus, temperature, light effects on, Nicotiana tabacum 2060. ethylene biosynthesis, bolacco mosaic virus, temperature, light effects on, ethylene biosynthesis, bolacco mosaic virus, temperature, light effects on, ethylene biosynthesis, bolacco mosaic virus, temperature, light effects on, ethylene biosynthesis, bolacco mosaic virus, temperature, light effects on, ethylene biosynthesis, bolacco mosaic virus, temperature, light effects on, ethylene biosynthesis, bolacco mosaic virus, temperature, light effects on, ethylene biosynthesis, bolacco mosaic virus, temperature, light effects on, ethylene biosynthesis, procession and light procession and ligh

7199.
Puccinia hordei, rust, disease resistance, Hordeum vulgare 2860.
Ibbacco mosaic virus infection, Nicotiana tabacum, lignification enzymes 7193.
Iobacco erroceis virus, Nicotiana tabacum 2057.
Vigna unquiculata leaves, Xanthomonas campestris pv.oryzae 6230.
Hypertonicity
ornelation, lood culture, growth, Enterobacteriaceae, Staphylococcus aureus, correlation, sond culture, growth, Enterobacteriaceae, Staphylococcus aureus,

antibiotics 783.

Hyphas.

Botryosphaeria dothidea, morphology, Betula alba, water stress 4614.
Botryosphaeria dothidea, morphology, Betula alba, water stress 4614.
Ingi, Pseudotsuga menziesii forests 1232.
tungi, Pseudotsuga menziesii forests 1232.
tungi, wood, staining methodology 7831.
foliomus fascioulatum, uttrastructure, roots, Trifolium repens 8226.
Glomus fascioulatum, uttrastructure, Trifolium repens roots 381.
length, measuring techniques, fungi 8985.
morphology, Franika, actinomitiase, biotyping, nodulation, Alnus nitida 8158.
Phytophthora megasperma 1.sp.glycinea, a-mannans localization, host-pathogen interactions, Glycine max 7941.
Rhizoctonia solani, lysis, Myxobacterales, soil microorganisms, biological control, plant diseases 832.
staining, fluorescein diacetate, soil, Penicillium citrinum, Rhizoctonia solani 8983.
yesicular-arbuscular mycorrhizas, growth, temperature 402.

8983.

vesicular-arbuscular mycomhizas, growth, temperature 402.

hypholuma faselculare,

hypholuma faselculare,

hypholuma faselculare,

hyphomicrobium,

growth, waste water denitrification, methanol carbon sources 1492.

monomethyl sulfate biodegradation, industrial wastes 1016.

Hyphomorae,

roactors, cutting fluids biodegradation, bacteria identification 178.

Hyphomoretes.

Hyphomovae, reactors, cutting fluids biodegradation, bacteria identification 178. 
hyphomycetee, pathogens, biological control, Ostrinia nubitalis 6909. 
hypochlorous celd, antibacterial activity, bacteria, models, in vitro 8721. 
hypochytrium catenoldee, biological control, Phypochytrium catenoldee, biological control, Phypophthora root rot, Glycine max 5510. 
hypocotyls, Phaseolus vulgaris, cell adhesion, Colletotrichum lindemuthianum, spores 3796. 
hypomyces auranttus, biosynthesis, ergy silvaloids, new records 4384. 
hypophthalia auranttus, cell adhesion, colletotrichum lindemuthianum, spores 3796. 
hypophthalia auranttus, silvaloris, respectively, silvaloris, silva

ysterectomy, postoperative infection, clinical isolates, antibiotic sensitivity testing, man 9177.

I.R. Radiation,
Cladosportium carpophilum, conidia release, disease spread, scab 272.
I.R. Spectroscopy,
alamethicin, hypticin conformation 3140.
hydrogen bonding, toxins, Helminthosporium carbonum 7911.
identification, aroma compounds, champagne, biosynthesis, Saccharomyces 7813. IBP

antifungal activity, spore germination, Aspergillus nidulans 1222.

cost, enton, activity, pathogenicity, fruit trees, Pseudomonas syringae 2804. nucleation, activity, Pseudomonas aeruginosa, Erwinia herbicola, Citrus sinensis, Citrus aurantium 2805.

nucleation, bacteria, frost, plants 4556. nucleation, bacteria, plants 3781.

ce cream,
production, Lactobacillus acidophilus use 6198.
lceland,

national parks, Rhytisma salicinum infection, Salix 7195.

national parks, Hnyasma salicinum infection, Salix 7193.

Ictaliurus punctatus, aquaculture, Aeromonas hydrophila population levels, culture systems 6707. off flavor, absorption, odor compounds, actinomycetes, fishponds 3211.

Idloscopus clypsells, biological control, Isaria tax 7767.

L-Idurono-D-glucuronan, structure, Phaliales 5202.

bark, nitrogen-fixing bacteria activity 8147. Hex pedunculose, bark, nitrogen-fixing bacteria activity, atmospheric pressure, oxygen, effects on 8148

Mclcolin H,

structure, biosynthesis, Cylindrocladium ilicicola 6567.

Illudolds, biosynthesis, Omphalotus olivascens, Citocybe subilludens 527. Imazelli, effects on Ustilago avena spores ultrastructure 2889. resistance, Penicillium italicum, Penicillium digitatum, post-harvest decay, benzimidazoles 2901.

nidazoles, antifungal activity, Candida albicans 5733. derivatives, antifungal activity, structure-activity relationships, reviews 6311. drug sensitivity testing, Mycobacterium fortuitum 4719. Trichophyton mentagrophytes sensitivity, mycelia, arthrospores, conidia 1340. Trichophyton mentagrophytes

Immobilization,

nnobilization, agar, carrageenans, gelatin, immobilized cells, tyrosine phenol-tyase activity, Citrobacter freundii 7656. agarose, +Lens culinaris agglutinins, use, preparation, pseudorabies virus

immobilization, agar, carrageenans, gelatin, immobilized cells, tyrosine phenol-lyase activity, Citrobacter freundi 7656. agarose, 4-Lens culinaris agglutinins, use, preparation, pseudorabies virus vaccines 3182. Hens culinaris agglutinins, use, preparation, pseudorabies virus vaccines 3182. Aspergillus niger mycella glucose oxidase, catalase 1739. Bacillus subtilis proteinase, activity, celludose supports 5999. biomass support particles, formination, bioracators, yeasts 4219. biotechnology, immobilized oblos of 3941. chioroplasts + ferreducilase, methodology 4304. chymotypsi 637. ch

ontescrinology, 1011.

Brevibacterium flavum, tumarate hydratase activity 75.
Brevibacterium flavum, tumarate hydratase activity 75.
Brevibacterium flavum, tumarate hydratase activity stability 3443.
cadmium bioaccumulation. Citrobacter 5690.
Caldariella actiophila, enzymes, thermal stability, ultrafiltration membranes

carbohydrates transformation 2724.
carrageenans, glucose termentation, ethanol production, Zymomonas mobilis carrageenans glucose termentation, ethanol production, Zymomonas mobilis carrageenans supports, penicillin G biosynthesis, nutrient concentrations, Penicillium chrysogenum 4048.
catalysis, organic compounds corversion 1003.
cetalysis, organic compounds corversion 1003.
cetalysis, organic compounds corversion 1003.
cetalulase production, Trichoderma resest 6021.
characterization, microorganisms 3379.
citric acid production, Saccharomycopsis lipolytica 2554.
Clostridium butyricum, methane, production, wastewater treatment 1468.
Clostridium thermoaceticum, acetic acid production 4270.
Corynebacterium fascians, nomitiin conversion obacunone, bitter principle refruit juices, Citrus 7773.
crop residues fermentation, ethanol production, Saccharomyces 3641.

crop residues fermentation, ethanol production, Saccharomyces 3641.

nobilized cells, (continued)
ross-flow bioreactors, silica supports, ethanol fermentation, Saccharomyces
ceravisias 3605.
turvularia lunata, hydrocortisone production 107.
sissolved oxygen effects on nitrogen fixation, Azotobacter vinelandii 3550.
ctomycorrhizas, inoculum efficacy, trees 8163.
lectrodes, asparaginase detection, Serratia marcescens 6777.
lectrodes, asteit water, chemical analysis 768.
scherichia coli, Pseudomonas dacunhae, ammonium fumarate conversion, L-alanine
7. ischerichia coli, l'optophan synthase, L'hyptophan production 6, scherichia coli, l'aminodesaeetoxy-cephalospornic acid production 506, scherichia coli, l'aminodesaeetoxy-cephalospornic acid production 506, thanol production, batch culture, yeasts 3619, thanol production, bioreactors 3634, thanol production, bioreactors 3634, thanol production, bioreactors 3634, thanol production, between the second secon 3606. -D-glucosidase activity, role cellulose biodegradation, Alcaligenes faecalis 5190. Full-glucosinase activity, role cellulose biologization, Alcaligenes faecalis 5180.

Iansenula pylmorpha, methanol, oxidation, kipetics 997.

ydrocortisone supersaturation, 3-exosteroid Δ -dehydrogenase activity, Arthrobacter simplex 3523.

ydrogen production, molasses conversion, Clostridium butyricum 3577.

ydrogen production, Rhodopseudomonas 3559.

mmobilization methodology, Citrobacter freundii 5077.

mmobilized enzymes, conversion, water insoluble organic compounds 141.

-immobilized enzymes, sermentation 3499.

-immobilized enzymes, Saccharomyces cerevisiae+β-D-glucosidase, cellobiose conversion, ethanol production 8684.

nontropic gelation formation catalysts 4373.

Nuyveromyces fragilis, ethanol, fermentation, whey 2684.

Suyveromyces marxianus, Helianthus tuberosus fermentation, ethanol production 3640.

3640. Sadu.

3640.

3640.

Guyveromyces marxianus, Saccharomyces cerevisiae, whey, lactose fermentation, ethanol production 1884.

actobacillus delphueckii, Lactobacillus bulgaricus, tactic acid, fermentation 8.

euconostoc oenos, malolactic fermentation, wine 165.

monin levels, fruit juices, bitterness reduction, Arthrobacter globiformis 5338.

nalolactic fermentation, Leuconostoc oenos 6931.

nethanogenesis, arimal wastes, methanogenic bacteria 4124.

nethanogenesis, supports, inhibition, hydrogen, ethane, methane, methanogenic bacteria, bacteria, fuiked culture, methanogenesis, waste treatment, digestion (anaerobic), manure, chickens 7518.

nethanogenic bacteria, bacteria, mixed culture, methanogenesis, sucrose conversion 2182.

dethylmonas rubra, coal, methane oxidation 1300. conversion 2182. dethylmonas rubra, coal, methane oxidation 1300. nicroorganisms, books 4232. nicroorganisms, mathematical models, diffusion, factors affecting 1528. nolasses fementation, ethanol production, Saccharomyces cerevisiae 8659. Nicardia, androst-4-ene dione conversion, methyl-perhydroindanone biosynthesis intrifying bacteria, + creatinine deiminase immobilized enzymes, electrodes, creatinine determination i 1605.

Ittrosomonas, Nitrobacter, Methylomonas flagellata, electrodes, methane, ammonia, nitrogen dioxide 787.

locardia corallina, propylene oxide production 418.

vocardia corallina, propylene oxide production 418.

vocardia corallina, propylene oxide production 181.

vocardia corallina, propylene oxide production and correct production, fermentation, ammonia, noncorrect production, fermentation, retreation rates, supports effects on, Kluyvera noncitrophila 5301.

vericililin muricae, patulin production, nitrogen sources 2757.

vericililim urbicae, patulin production, nitrogen sources 2757.

vericililim urbicae, proteins contents, methodology 5931.

votein biosynthesis bioreactors, Escherichia coli 2.

votein biosynthesis bioreactors, Escherichia coli 2.

seadiation polymerization, ambodies adsorption, tyrosine 875.

adiation polymerization, ambodies adsorption, Escherichia coli 5896.

adiation polymerization, cellulase hydrolysis, sawdust, Trichoderma reesei 6949.

veriews, bioreactors 8577.

veriews, industries, China, People's Rep. 77.

hitropous hailandensis, bioreactors, ex-0.14-α-D-glucosidase, production, mathematical models 7729.

flamycin oxidase activity, Humicola 5083.

flamycin production, Humicola 4054.

saccharomyces cerevisiaes, molasses fermentation, ethanol production 167.

saccharomyces orervisiaes, molasses fermentation, ethanol production 168.

saccharomyces orervisiaes, molasses fermentation, ethanol production, 169.

propers, progesterore hydroxylation, Aspergillus ochraceus 6048.

veries production, sterols conversion, Mycobacterium phiei 4357.

terolds production, sterols conversion, Mycobacterium phiei 4357.

terolds production, ethanol production, foreactors,

Milenamycin production, Streptomyces cattleya 518. hienamycin production, Streptomyces cattleya 5805. yrosine phenoi-hyase activity, immobilization, agar, carrageenans, gelatin, Citrobacter freundii 7856.

Immobilized cells, (continued)
use, fermentation, books 2539.
use, peptide antibiotics, biosynthesis, production, reviews 1410.
viability, microorganisms 4971.
sylose isomerase, pencillin acylase, activity, Escherichia coli, Streptomyces xyruses isomerase, penicium acysiase, activity, Eschenchia coii, streptomyces roseofulus 71. 
yeasts, Aspergillus niger, use production industries chemicals 6836, 
yeasts, bioreactors, ethanol fermentation, feeds contamination molasses 6123. 
yeasts, continuous culture, ethanol, production, microorganisms, contamination, molasses 7799 Toulsases //99.

Toulsa Zyritoritorias motilist, saccharomyces cerevisiae, Kluyveromyces ragilis, etnanol, fermentation 166.

Immobilized enzymes, acetate kinase, NADP production, ATP recycling 143. acetate kinase, NAD kinase, NADP production, ATP recycling 143. acetate kinase, NADP special sets of the second s books 3375 books 3375.
books, conferences 850.
calorimetry, use bioreactors 4312.
carboxypeptidase Y, peptide synthesis applications, yeasts 63.
catalysis efficacy optimization 8553.
catalysis efficacy optimization 8553.
+ catalysts, kinetics 5194.
+ catalysts, kinetics 5195.
colluption: enzymes bemicrellulase Macrophomina phaseptina. совішоlytic enzymes, hemicellulase, Macrophomina phaseolina 8571. celiulolytic enzymes, hemicellulase, Macrophomina phaseolina 8571. chymosin, mucor, milic curdling 205. α-chymotrypsin+catalase, immobilization methodology 4304. α-chymotrypsin, penicillin amidase, matrix conformation effects on activity 1769. Clinical microbiology, bioassays 88.
creatininase, creatinase, sarcosine oxidase, electrodes, creatine, creatinine 89.
creatinine deminase+nitrifying bacteria immobilized cells, electrodes,
creatinine determination 1605. cyclomaltodextrin glucanotransferase, characterization, Bacillus 5191. dextranase, use, dextransucrase purification, mutants, Leuconostoc mesenteroides 5147. centremese, use, osxuraisucrase purinication, initianis, Leuconosioc mesente 5147.
endo-D-galacturonanase, kinetics, Aspergillus 15.
enzymes ratio 4335.
Escherichia coli g-D-galactosidase, lactose hydrolysis, milk 6542.
exo-1.4-a-D-glucosidase, kinetics, Aspergillus niger 1771.
exo-1.4-a-D-glucosidase, pullulariase, xylose isomerase, starch processing, Aspergillus niger, klebsiella aerogenes, Bacillus coagulans 111.
exo-1.4-a-D-glucosidase, pullulariase, xylose isomerase, starch processing, Aspergillus niger, klebsiella aerogenes, Bacillus coagulans 111.
exo-1.4-a-D-glucosidase, Phizopus niveus, matitose, starch hydrolysis, reactors 112.
tood industry cramosidase, coupling, Zea mays crop residues 8551.
p-Bructotruranosidase, compolitaction, yeasts 4333.
p-Bructotruranosidase, compolitación, yeasts 4333.
p-Bructotruranosidase, Aspergillus niger 69.
p-Bructotruranosidase, Aspergillus niger, membranes, bioreactors 83.
p-Bructotruranosidase, aspergillus oryzae, lactose hydrolysis, skim milk, whey 20. 206.

B-D-galactosidase, use cellulose beads, Escherichia coli 72.
gels, Immobilization methodology 3513.
glucose isomerase, comparison, Streptomyces phaeochromogenes, immobilized cells,
D-glucose, isomerization, bioreactors, characterization 7746.
glucose isomerase, reactors, mass transfer, mathematical models, Streptomyces glucose isomerase, reactors, mass transfer, mathematical models, Streptomyces 5168.

glucose oxidase, bioreactors optimization 7735.
glucose oxidase, immobilization methodology 4300.
glucose oxidation, glucose oxidase, Aspergillus niger, catalase, liver, cattle 2578.

β-D-glucosidase, characterization 3491.

β-D-glucosidase, interaction, Zymomonas mobilis immobilized cells 18.
glutamate dehydrogenase, characterization, Aspergillus ochraceus 92.
hydrogen effects on kinetics 4356.

γα-hydroxysteroid dehydrogenase, characterization, Aspergillus ochraceus 92.
γα-hydroxysteroid dehydrogenase, sellongenase (FMN-linked) + NAD(P)H dehydroxysteroid dehydrogenase, androstane dione synthesis, Aspergillus phoenics on effects on activity, stability, glucose oxidase, Penicillium writisle, β-D-fructofuranosidase, Saccharomyces cerevisiae 7743.

immobilization methodology, supervisiae +β-D-glucosidase, cellobiose conversion, ethanol production 8644.

immobilization methodology, supervisiae +β-D-glucosidase, cellobiose conversion, ethanol production 8644.

immobilization sells, saccharomyces cerevisiae +β-D-glucosidase, cellobiose conversion, ethanol production 8644.

immobilization sells, water insoluble organic compounds, lipophilic organic compounds 141.

immobilizade cells, yeasts, Aspergillus niger, use production industries chemicals 6836.

6836, inulin hydrolysis, fructose production, Kluyveromyces fragilis 8548. invulrase immobilization substrates 3507. methodology 5127. methodology, characterization, fermentation applications, mycelia Aspergillus niger, Saccharomyces cerevisiae 4408. microorganisms, glucose isomerization, sweeteners production, starch, Zea mays

## Immobilized enzymes, (continued)

5188. microorganisms, use, catalysis, chemicals, production, reviews 6031. milk-clotting enzymes, immobilization methodology, Russula decolorans 4317. neuraminidase, use agarose, hydrohysis, Arthrobacter 2580. penicillin aydase, affinity adsorption 8581 penicillin amidase, drihoglycol, dithiothreitol stabilization 74. production, penicillins, caphalosporins, penicillin amidase 4045. proteinase, albumin hydrohysis, Aspergillus awamori 4341. proteinase, proteins hydrohysis, mathematical models, crop residues, bioreactors, Penicillium dupontii 3475.

Penicillium dupontii 3475.
roviews 56.
roviews, bioreactors 8577.
reviews, industries, China, People's Rep. 77.
starch hydrolysis, exo-1,4-a-D-glucosidase 3535.
β-(sullatoethylsulforyly) analine cross-linkage 81.
systems, fungi, corn syrup production 208.
Trichoderma viride lysine 2-monoxygenase, electrodes, use, assays, L-lysine, formenters 38.

Trichoderma vince rysine Z-incrux/yeniase, trementers size atom to fermenters size atom ease, immobilization urease, methodology 3488.

use B-lactam antibiotics synthesis 4796.

use, peptide antibiotics, biosynthesis, production, reviews 1410.

xylose isomerase, glucose isomerization, high-fructose com syrup production.

xylose isomerase immobilization methodology, Streptomyces olivocinereus 5170. xylose isomerase, kinetics, Streptomyces phaeochromogenes 70.

xylose isomerase, kinetics, Streptomyces phaeochromogenes 70.
Immune adherence,
immune adherence,
immunoassays, etiology, viruses, hemorrhagic fever, association, nephrotic
syndrome 3251.
Immune response,
viruses antigens, vaccines development association, man 3178.
Immune serum globulin,
production, industrial applications, bacteria, viruses 9218.
Immune status,
trease, man 7034.
Immune status,
trease, man 7034.

Dreast meaturetts, microsyganisms communication, infants, man 7038.
rubella, determination methodology, man 1569.
rubella virus, characterization, latex agglutination, man, methodology 635.
rubella virus infection, diagnosis, hemolysis immunoassays 600.

immunity,
avian laryngotracheitis virus, live vaccines, infectivity, chickens 3180.
detection, Newcastle disease, enzyme-linked immunosorbent assay, chickens 3244.
measles virus, detection, enzyme-linked immunosorbent assay, man 4168.
tetanus, enzyme immunosasey, detection, man, methodology 8461.
vaccines, African swine fever virus antigens, detergents solubilization, pigs

1452.
varicella-zoster virus, man, characterization, fluorescent antibody test, comparison, enzyme-linked immunosorbent assay 636.
Immunity (cell-mediated), cytomegalovirus (human) envelopes antigens, vaccines, guinea-pigs 4072.
Immunity (humoral), cytomegalovirus (human) envelopes antigens, vaccines, guinea-pigs 4072.
Immunization (passive), hepatitis A virus Immunodlobulins standardization 6618.

Immunoassays,
aggluthrins staining, dairy products, Streptococcus lactis 3718.
clinical microbiology, reviews 585.
detection, Chiamydia trachomatis membrane proteins 753.
detection, Erwinia amylovora, plant diseases 5441.
detection, Mycoplasma pulmonis antibodies 5021.
diagnosis, adenovirus (human) infection, nasopharynx secretions, feces, children
3238.

Escherichia coli, lipopolysaccharides characterization 6058. fluorescence polarization, comparison, radioimmunoassay, serum levels,

fluorescence polarization, comparison, radioimmunoassay, serum levels, vancomycin, man 3116. 
hemolysis, rubella virus infection diagnosis, man, immune status 600. 
immune adherence, etiology, viruses, hemorrhagic fever, association, nephrotic syndrome 3251. 
immunodiagnosis, Legionella infection, man 9291. 
immunofluorescence, detection, rubella virus, antibodies, methodology 637. 
immunofluorescence, detection, rubella virus, antibodies, methodology 537. 
immunodiology, provirus (murine), retrovirus (feline), quantification, cell culture monolayers 6749. 
monoclonal antibodies, SV40, antigen T binding sites, DNA 589. 
protein A, serotyping, herpes simplex virus clinical isolates 595. 
Hotazyme, comparison, electron microscopy, detection, rotavirus (human), feces 3239. 
serum netilimicin 530.

serum netlimicin 530.

solid-phase methods, rotavirus (human) antigens detection, feces, children 4169.

spin probes plasma membranes, detection, Neisseria meningitidis antibodies 3325.

limmunochemistry,
methodology, detection, localization, barley stripe mosaic virus, Triticum
assitvum infected cells 4522.

limmunochemistry,
methodology, detection, localization, barley stripe mosaic virus, Triticum
assitvum infected cells 4522.

limmunopromised hoats,
infecton prophylaxis, laminar air flow, nosocomial environments 570.
Immunoldimitision,
assays, nitrate reductase, sirohaem containing proteins, Escherichia coli 8559.
Coccidioides immitis antibodies detection methodology 1674.

Coccidioides immitis antibodies quantitation, comparison complement fixation 815.

comparison, radioimmunoassay, bovine lelukemia virus antibodies detection 3256
detection, prome mosaic virus, seed-borne diseases, transmission (seed), seeds,
Triticum aestivum 8787.

detection, radioimmunoassay, bovine lelukemia virus antibodies detection 3256
detection, cucumber mosaic virus, seed-borne diseases, transmission (seed), seeds,
Triticum aestivum 8787.

detection, cucumber mosaic virus, ased-borne diseases, transmission (seed), seeds,
Triticum aestivum 8787.

detection, prome mosaic virus, ased-borne diseases, transmission (seed), seeds,
Triticum aestivum 8787.

detection, prome mosaic virus, seed-borne diseases, transmission (seed), seeds,
Triticum aestivum 8787.

detection, prome mosaic virus, seed-borne diseases, transmission (seed), seeds,
Triticum aestivum 878.

identification, Sporothrix schenckii, Ceratocystis minor, Graphium penicilloides

relationship, Paracoccidioides brasiliensis antigens, production methodology

Immunodiffusion, (continued) 422R

428
standardization, influenza virus hemagglutinins 4993.
Immunoelectrofocusing,
staining, identification, subacute sclerosing panencephalitis virus,
immunoelectron microscopy,
staining, identification, subacute sclerosing panencephalitis virus,
immunoelectron microscopy,
comparison, enzyme-linked immunosorbent assay, electron microscopy, use,
detection, rotavirus (human), feces 3236.
coupling factor 1 subunits stoichiometry, use monoclonal antibodies, Escherich
coli 3479.
localization, rabies virus, antigens, central nervous system, embedding,
methodology 4999.
magnetic fields, viruses, grids, rotation, effects on 9273.
methodology, detection, feces viruses, association, gastroenteritis, neonates,
man 3252
methodology, plant viruses detection, gold+immunoglobulin G complexes 843:

man 3252
methodology, plant viruses detection, gold+immunoglobulin G complexes 843s
methodology, Sindbis virus detection, tissue culture 8443.
rotavirus detection, enzyme immunoassay comparison 611.
rotavirus serotyping 4966.
solid phase methods, BK virus, papovavirus, cell culture 599.
supports, effects on, poliovirus, detection 5881.
tobamovirus, concentration, methodology 651.
Immunoelectrophoresis,
Streptococcus identification 1649.
Immunofluorescence,
anti complement, use, detection, varicella-zoster virus antibodies, serum, man
1566.
Chlamytilia tranhomatis antibodies, constitution to the discontinuation.

1586
Chlamydia trachomatis antibodies, respiratory tract diseases, man 4196. comparison, monocional antibodies, 2-bromovinyl-2-deoxyuridine, sensitivity, serotyping, herpes simplex virus, methodology 655. diagnosis, Erwinia amylovora, plant diseases 2173. enumeration, Phizobium japonicum, Rhizobium japonicum, Rhizobium japonicum, comparison immunoperoxidase test nordiation, competition. Pisum sativum, Glycine max 2967. herpes simplex virus antipens detection, comparison immunoperoxidase test 1 immunoassays, detection, rubella virus, antibodies, methodology 637. influenza virus, identification, tissue culture, models 610. microscopy, antisera, Corynebacterium sepedonicum, cross-reactivity, soll microscopy, Phaeolus schweinitzii, propagules, identification, detection, soil 4621.

monoclonal antibodies, sensitivity, Chlamydia trachomatis inclusions detection man 2455.

main 2405. respiratory syncytial virus, clinical isolates, detection 613. soil, persistence, Bacillus thuringiensis 3580. soild phase methods, Legionella pneumophila antibodies detection 1656. solid phase methods, monocional antibodies selection, adenovirus specificity 5885.

Sets.

Streptococcus group B, clinical isolates, detection, identification 2477.

use, potassium thiocyanate, staining, removal, measles virus infected cells 15

Immunogenicity,
adjuvants, major histocompatibility complex purification, vaccines 6589,
antigenic determinants, synthetic proteins, vaccines production, herpes simple
virus 6639.

virus 5039.

Bacteroides nodosus pili vaccines, sheep 3185.
combined vaccines, Corynebacterium diphtheriae toxoids, Haemophilus influei
polysaccharides, rabbits 6655.
hemagglutinins, expression, cloning vectors, vaccines production, influenza vir
6636.

6636.
hepatitis B virus, micelles proteins, vaccines, Pan troglodytes 6642.
hepatitis B virus vaccines 6600.
hepatitis B virus vaccines 6600.
hepatitis B virus vaccines 6652.
influenza virus envelopes proteins, isolation, vaccines production, mice 6620.
Leptospira vaccines, piga 4893.
membrane proteins, liposomes, incorporation, influenza virus, rubella virus, vaccines, rabbits 6650.
Neisseria gonorrhoeae, Neisseria meningitidis, pill, vaccines, production 538.
proteins, isolation, influenza virus 1704.
Pseudomonas aeruginosa, toxoids, production, genetic analysis 540.
Pseudomonas aeruginosa vaccines development, mice 6663.
rabies virus, association vaccines 1451.
rabies virus strains vaccines production, Vulnes vulnes 6629.

rabies virus, association vaccines 1451, rabies virus strains vaccines production, Vulpes vulpes 6629. Flickettsia rickettsii Rocky Mountain spotted fever vaccines, efficacy 2326, rotavirus (bovine) vaccines, animal models 3177. Salmonella typhimurium vaccines, β-propiolactone inactivation, mice 2324. Salmonella vaccines, antigen 0 2322. synthetic antigens vaccines, production, influenza virus 6601. synthetic hepatitis B surface antigen+fatty acids conjugate, use vaccines, animodels 4071. synthetic peptides, DNA recombination, vaccines production, hepatitis B virus 6615.

6615

6615.
synthetic peptides, vaccines production, hepatitis B surface antigen 6609.
toxoids, methodology purification methodology 4891.
toxoids purification, Corrynebacterium diphtheriae 4892.
vaccines, bacteria polysaccharides capsules, reviews, man 3184.
vaccines, polysaccharides proteins conjugate, preparation, gram-negative bac 2323.

2323.
vaccines, production, Haemophilus influenzae antigens isolation, cattle 4895.
vaccines, production, hemagglutinins purification, Bordetella pertussis 8389.
Immunoglobulin A,
antibodies, Epstein-Barr virus, autoradiography, Immunodiagnosis, nasophary
carcinoma, man 4992.
Francisella tularensis, detection, enzyme-linked immunosorbent assay method

proteinase production, methodology, pathogenicity, clinical isolates, bacteria 1575.

influinogiocumi va adenovirus (avian), detection, enzyme-linked immunosorbent assay, identifica serotypes 5014. antibody response, BK virus, serum levels, radioimmunoassay, methodology antibody response, coxsackievirus B, specificity, enzyme-linked immunosorbe

nibboy response, coxeamounts by specimeny, enzymensiones models, assay 2438, ntisera, v-mos gene proteins, inhibition transformation, vaccines models, Moloney sarcoma virus 6648. erebrospinal fluid, measurement, enzyme-linked immunosorbent assay method Mycobacterium tuberculosis meningitis, methodology 7590.

munoglobulin G, (continued)

Chlamydia, detection, enzyme-linked immunosorbent assay 760.
Chlamydia trachomatis, specificity, detection, immunoperoxidase test 2476, yromegalovirus, quantification, enzyme-linked immunosorbent assay methodology, man 649.

man 649.
idección, nextyme-linked immunosorbent assay, Mycobacterium tuberculosis,
proteins, cerebrospinal fluid, meningitis, man 6773.
idección, measelse virus hemaggiutinis, nextyme immunoassay methodology 8442.
idección, measelse virus hemaggiutinis, nextyme immunoassay methodology 8442.
imme, Haemophilus equigenitalis isolation, contagious equine metritis, horses
7573.
rancisella tularerasis, detección, enzyme-linked immunosorbent assay methodology, Indarbela quadrinotata,
man 2468.
Immunoalectron microscony methodology, olari virusas detection dels immunoalectron microscony methodology, olari virusas detection foliale.

Indicator immunoalectron microscony methodology, olari virusas detection foliale.

man c/42.

detection, enzyme-linked immunosorbent assay methodology, Treponoma phagedenis flagella, syphilis, rabbits 765.

detection, hepatitis A, enzyme-linked immunosorbent assay, man 4156.

detection, nebella virus specificity, enzyme-linked immunosorbent assay, methodology 8446.

detection, serum, immunodiagnosis, Japanese encephalitis virus, radioimmunoassay 593.

Detein-Barr virus, detection, use, enzyme immunoassay 1568. Francisella tularensis, detection, enzyme-linked immunoaorbent assay methodology, man 2468. hepatris B core antigen, enzyme-linked immunoaorbent assay methodology, man 6738.

6738.
heterophii antibody, infectious mononucleosis, Epstein-Barr virus, immunodiagnosis, enzyme-linked immunosorbent assay 603. immunoasays, use, diagnosis, La Crosse virus infection, man 3237. lapanese encephalitis virus, enzyme-linked immunosorbent assay 5011. meastes virus, rubelta virus, detection, monoclonal antibodies use, immunoassay, man 644.

meastes virus, rubella virus, detection, monocional antibodies use, immunoassay, man 644.

rubella virus, detection methodology, pregnancy, man 5878.

rubella virus, serum levels, enzyme-linked immunosorbent assay, man 618.

rubella virus specificity, serum ultracentrifugation, man 591.

Streptococcus pneumoniae capsules polysaccharides, enzyme-linked immunosorbent assay 1662.

bick-borne encephalitis virus, enzyme-linked immunosorbent assay standardization, serum levels, man 2447.

munoglobulins, Francisella tularensis, detection, enzyme-linked immunosorbent assay methodology, man 2468.

hepatitis A virus, standardization, immunization (passive) 6618.

Francisella tularensis, detection, enzyme-linked Immunosorbent assay methodolog man 2468.

hepatitis A virus, standardization, immunization (passive) 6618.

hepatitis A virus, attandardization, immunoperoxidase antiglobulin test, ittration, mumps virus infectivity 1553.

hepatitis antigent azide, effects on 3052.

detection, Chlamydia trachoratis immunoglobulin G specificity 2476.

drug sensitivity testing, 9-(2-hydroxyethoxymethyl)guanine, herpes simplex virus, orathodology 4771.

herpes simplex virus antigens detection, comparison immunofluorescence 1549.

herpes simplex virus, detection, identification 625.

labelling, Azospirillum brasilense, rhizoplane, Pennisetum americanum 1275.

localization, Leptospira, itsus culture 4181.

methodology, detection, rotavirus, adenovirus, cell culture 6734.

neutralization, detection, antibodies, hog cholera virus, borne diarrhea-mucosal disease virus, pigs 6743.

partuberuciosis diagnosis 3323.

staining, +fibroblasts cell culture, herpes simplex virus detection 5002.

use, detection, respiratory syncytial virus, nasopharynx secretions, man 3234.

spring viremia of carp virus antigens detection, organs, Cyprinus carplo 5888.

munoprecipitation,
electrophoresis, methodology, respiratory syncytial virus, antibodies,

specificity 7566.
Epstein-Barr virus, antigens, methodology 647.
Identification, respiratory syncytial virus, proteins, methodology 645.
Streptococcus group B identification, carbohydrates monoclonal antibodies analysis 1629.

bosynthesis, antibiotics stimulation, Brevibacterium ammoniagenes 115. biosynthesis, antibiotics stimulation, Brevibacterium ammoniagenes 952. excretion, membrane permeability mutants, Brevibacterium ammoniagenes 7765. production, Tween stimulation, Brevibacterium ammoniagenes 4371.

production, Technology, and the production of th

Inclusions,
Chlamydia trachomatis, cells, detection, monoclonal antibodies, labelling
methodology 3337.

anaerobic conditions, detection, Streptococcus pneumoniae, respiratory tract

reman 2468.
sold complexes, immunoelectron microscopy methodology, plant viruses detectionindia, and a second complexes, immunoelectron microscopy methodology, plant viruses detectionindia, and a second complexes, immunoelectron microscopy methodology, plant viruses detectionindia, and a second complexes, and a second complex plant virus, and a second complex virus, and a second comple 2409.

bacteria, pollution monitoring, microbial pollution, coastal waters 2400.
bacteria, public health, accuruniation, filter feeders, Gryphaea gasar 3217.
bacteria, water temperature, population levels, rivers, estuaries 4131.
Bacteroides fragilis, membrane filtration, media (isolation), water 4536.
bibliographies, microbial pollution, reviews, water analysis 4945.
Cardida, marine pollution, coastal waters 2399.
coliforms, feeda coliforms, phages, inactivation, waste water, marine environment

coliforms, identification, incidence, water temperature relationship, lakes 557. coliforms, incidences, water resources, Iraq 2407. coliforms, membrane filtration, drinking water, microbial pollution 8421. Corynebacterium renaie, use, Staphylococcus aureus bacteriocin phenotypes detection 4883.

enterovirus, microbial pollution, seasonal variations, coastal waters, beaches

Escherichia coli, phages, inactivation, sunlight, sea water 2402.
Escherichia coli, Streptococcus, survival, marine environment 2395.
fecal coliforms, coliforms, microbial pollution, drainage, water quality, soil amendment, manure, crop fields 6709.
fecal coliforms, lipoic acid reduction, potentiometry, microbial pollution, water analysis 2392.

fecal coliforms, lipoic acid reduction, potentiometry, microbial pollution, water analysis 2392.

fecal coliforms, Vibrio cholerae, Salmonella, microbial pollution, sewage outfalls, coastal waters 6711.

fecal coliforms, water quality, pollution effects, waste water, canals 4132.

microbial pollution, coliforms, pollution monitoring, spatial distribution, seasonal variations, lakes, USA 8419.

microbial pollution, sewage effluents, hydrology, estuaries 6710.

microbial pollution, sewage effluents, hydrology, estuaries 6710.

microbial pollution, sewage subjects, seviews, bibliographies 4945.

most probable number, computer applications, calculators 6731.

pollution monitoring, water quality, rivers, Clostridium perfringens 5855.

population dynamics, lagoons, sewage treatment, heterotrophic bacteria 2941.

Pseudomonas aeruginosas, Streptococcus, chlorination, swimming pools 567.

Salmonella, Isolation, sludges, wastewater treatment, characterization, USA, Flonda 4927.

Samnonella, soudout, situdges, masteriari tratamin, ordanini, control services in Florida 4927.

Salmonella typhi, membrane filtration, media (enrichment), water 4935.

Streptococcus bovis, media (isolation), membrane filtration, water 5054.

Streptococcus, incubation temperature, isolation, sediments, marine environment

wastewater treatment 2342.

wastewater treatment, water pollution, conferences 2550.
water pollution, aquatic microorganisms, reviews, bibliographies 4944.
water pollution, feces, man, isolation, Bifidobacterium adolescens,
Bifidobacterium breve 562.

Bifidobacterium breve 562.
water qualify, bacteria, abundance, Bivalvia 8424.
water relamation, pollution control, viruses, Mycobacterium, Pseudomonas earugniosa, Cardida albicans 2394.
India action of cardida albicans 2394.
bacteria, actino mycetes, yeasts, vertical distribution, ground water 5816.
bacteria, community structure, nutritional status, biomass, ground water 5817.
bacteria, ground water, population levels, pollutants biodegradation, waste water infiltration 5813.
Indiagotera [Innael.]

infiltration 5813.

Indigofera linneal, nodulation, inhibition, allelopathy, Parthenium hysterophorus 8987.

Indigofera linneal, nodulation, inhibition, allelopathy, Parthenium hysterophorus 8987.

Indiract fluorescent antibody test, adenovirus infectivity, cell culture 4995.

detection, antibodies, immunoglobulin M, tick-borne encephalitis virus, man 7557.

detection, antibodies, mouse hepatitis virus infection, cell culture 590.

detection, cytomegalovirus (human) antibodies 1551.

detection, Vibrio cholerae, aquatic environment 9296.

Ebola virus cell culture quantitation 1548.

immunodiagnosis, La Crosse virus 596.

immunodiagnosis, La Crosse virus 596.

immonoclonal antibodies, herpes simplex virus identification, typing 2429.

parainfluerae virus detection, children 1555.

use, Legionella pneumophilia, antigens, heat treatments, comparison, formalin 792.

Indirect hemagglutination,

antibody response, fowl cholera vaccination, chickens 3343.

Indirect hemaggiutination, (continued)
detection, Mycoplasma hyopneumoniae antibodies, comparison, enzyme-linked
immunosorbent assay, complement fixation 740.
detection, Pasteurella antibodies 723.
hemorrhagic fever antibodies detection, viruses, man 7570.
Pasteurella haemolytica serotyping, methodology 1631.
screening, cytomegalovirus antibodies, blood donors 2448.
Indolactam V,
biosynthesis, tumor-promoting agents, actinomycetes 8653.
Indole,
anaerobic bacteria, detection, reagents methodology 1684.
compounds, Cryptococcus neoformans utilization, melanin pigments, biosynthesis
2645. Industrial wastes, (continued) food processing, digestion (anaerobic), methanogenesis, volatiles fatty acids 5704. food processing, digestion (anaerobic), methanogenesis, use food drying, solar radiation 7489. lood processing, digestion (anaerobic), methanogenesis, use food drying, solar radiation 7489
food processing, growth conditions, kinetics, optimization, Candida utilis 9225. food processing, waste treatment, composting 6882. freshwater pollution, pollution control, bacteria 4896. land disposal, leachates, wastewater treatment 4920. landfills, leachates, wastewater treatment, activated studge 4084. microorganisms, biodegradation, reviews 1018. microorganisms, biodegradation, reviews 1018. microorganisms, biodegradation, et will phomicrobium 1016. et land gas industry, waste treatment, land disposal, biodegradation, soil microorganisms 2178. oranges, food processing, digestion (anaerobic) 6699. organic compounds, waste treatment, biodegradation, microorganisms 1015. paper mills, ignocelluloses tydrolysis, fuels production, cellulolytic microorganisms 7781. pollution control, use, genetic engineering microorganisms 4125. production, single-cell protein production, Saccharomyces cerevisiae, Torulopsis athanolitical control of the composition 5837. biodegradation, Pseudomonas 1017. textile industry, wool compositing 5837. toxicants, waste treatment, use, biotechnology, methodology 8398. waste treatment, digestion (anaerobic), digestion (aerobic), enzymes, microorganisms 547. 2645 derivatives, synthesis, antifungal activity 6469 derivatives, synthesis, antitungal activity 6469. Indole test, cost-benefit analysis, identification, Escherichia coli 6787. Pasteurella multocida 716. reagents, identification, gram-negative bacilli 707. Indole-3-acette acid, role nodulation, nitrogen fixation, Rhizobium leguminosarum, Pisum sativum 2167. Solanum tuberosum, crown gall tumors, Solanum tuberosum tubers 8874. ndoles.
production, Streptomyces, Bacillus, Azotobacter 8229.
ndustrial applications,
alginic acid, Pseudomonas, Azotobacter 8618.
antibiorics production, fermentation, cheese production, yeasts 9169.
celulose, chitin, chirosan, reviews, microorganisms 8619.
dextrans, Leuconostico 8617.
enzymes, regulatory mechanisms, bacteria 851.
β-glucans, batch culture, continuous culture, Alcaligenes faecalis var myxogenes 8621.
polysaccharides, topols, weasts 8620.
production, griseofulivin, streptomycin, benzylpenicillin 9171.
production, vaccines, anilisera, immune serum globblin, bacteria, viru waste treatment, conferences 4244.
waste treatment, digestion (anaerobic), digestion (aerobic), enzymes,
microorganisms 547.
wastewater treatment, breweries, reviews, bibliographies 4913.
wastewater treatment, phenois extraction, monophenol monooxygenase, Agricus
bisporus 5646. polysaccharides, pooks, microorganisms 9342.

polysaccharides, fungi, vaests 8620.
production, griseofulvin, streptomycin, benzylpenicillin 9171.
producton, vaccines, anistersa, immune serum globulin, bacteria, viruses 9218.
ndustrial effluents,
abattoris, activated sludge, nutritive value, chickens 7015.
activated sludge, pollutants biodegradation, kinetics 1486.
breweries, activated sludge, wastewater treatment 4091.
breweries, incidence, Protozoa, Metazoa 3202.
chloroform, cyanide, toxicity, methanogenic bacteria, digestion (anerobic) 2376.
digestion (serobic), breweries, Candida 670 periodic protogramics 12185.
distilieries, pulp mills, wastewater treatment, orbitaning sizes, fungi 2341.
distilieries, pulp mills, wastewater treatment, critating discs, fungi 2341.
distilieries, pulp mills, wastewater treatment, activated sludge, carbon (activated) 6677.
fertilizers, wastewater treatment, activated sludge, carbon (activated) 6677.
fertilizers, wastewater treatment, digestion (anaerobic), methanogenesis 8405.
food industry, wastewater treatment, bioderaction, Pseudomonas aeruginosa, Eypyt 2190.
isolates, phenols biodegradation, Acinetobaçter, Fusarium flocciferum 8685.
lighni, pulp mills, wastewater treatment, bioreactors, anaerobic conditions, pH,
temperature, chemical oxygen demand effects on 3196.
mining, metals, microbial pollution 415.
mining, metals, microbial pol bisporus 5846.
wastewater treatment, reviews, bibliographies 4917.
wool, agricultural wastes, temperature, aeration, composting 4100.
Xenobiotics, biodegradation, bacteria 8393.
Industrial water systems,
membranes, filtration, cleaning, enzymes, microorganisms 57.
Industries,
bacteria films, air conditioning water 5849.
biotechnology, microorganisms, conferences 5950.
chemicals production, use immobilitzed enzymes, yeasts, Aspergillus niger
immobilized cells 6836.
enzymes, microorganisms, books 839. immobilized cells 6836.
enzymes, microorganisms, books 839.
enzymes, physicochemical properlies, activity, microorganisms 58.
enzymes, physicochemical properlies, activity, microorganisms 58.
microbiology, methodology, bidechnology, books 4237.
occupational exposure, safety regulations, legislation, enzymes 45.
pharmaceuticals, microorganisms contamination 9147.
proteinase, reviews, microorganisms 2602.
wastewater treatment, gases odors, deodorization 9248. wastewater treatment, gases ocors, ecoonzation 9249.

Infants,
man, nutritional status, immune status, breast milk heat treatments,
microorganisms contamination 7038.

Infectious bronchitis virus,
serolyping, hemasglutination inhibition 9280.

Infectious contamination of the property o Infants Infectious pancreatic necroals virus, enzyme-linked immunosorbert assay, identification 2445. identification, counter immunoelectrophoresis methodology 7563. Inflammatory diseases, anaerobic bacteria, oral cavity, antibiotics sensitivity, man 7405. pulp mills, 12-chlorodehydroabietic acid, detoxification, Mortierella isabellina 2706. Inflorescence, formation and the state of th shales, bacteria survival 4135 shales, backers surviver roots of the wastewater treatment, brewerse, chemical oxygen demand 3201. wastewater treatment, brewerse, chemical oxygen demand 3201. wastewater treatment, brewerse, chemical oxygen demand 3201. wastewater treatment, interfacial industry, rotating discs, microorganisms 6697. wastewater treatment, nitrification, dentrification 2373. wastewater treatment, nitrification, dentrification 3406, time programment of the state Influenza antibodies determination, protein A tests, man 3253.

Influenza A virus,
antivirial activity, anyl-furturane derivatives 4764.
antivirial activity, cell culture, herbal medicines, Alternanthera philoxeroides wastewater treatment, roganic compounds, biodegradation, microorganisms 4090. Industrial pollution, organic compounds, biodegradation, microorganisms 4090. odors, deodorization, use peat 9232. 7392. attenuation, cold adaptations, recombinants, live vaccines 7484, attenuation, recombinants, cold adaptations, live vaccines 7482. attenuation, vaccines production 6602. detection, methodology comparison, hemagglutination inhibition, hemolysis, man odors, deconization, use peat 9232.

Industrial wastes,
alkaline, food processing, wastewater treatment, Zea mays 8402.
antibiotic production, Pseudomonas isolation, R factors characterization,
antibiotic resistance 2208.
ash, land disposal, nutrient availability, biodegradation, soil microorganisms
8257. 4149 diagnosis, radioimmunoassay methodology, man 4160. disruption, Tween 80, + diethylether, +tri-N-butyl phosphate 4076. fluorescent antibody test identification 9278. hemagglutinins isolation, density gradients centrifugation, bromelain cleavage 4994. 6257.

biodegradation, pentachlorophenol, hexachloro-cyclopentadiene, parathion-methyl, bacteria, fungi 3677.

biodegradation, substrates, haloaromatics 3207.

chromium, acute toxicity, microorganisms, wastewator treatment 9229.

coal mines, soil amendment, land reclamation, revegetation, microorganisms, role replication,  $\alpha$ -interferon+rimantadine hydrochloride+ribavirin, inhibition 3066. suce. replication, antiviral activity, coumermycin 9112. resistance development, 2-(1-aminoethyl)-bicyclo[2,2,1]heptane chlorohydrate antiviral activity 4701. vaccines recombinants, genetic analysis 5808. vacapamii, inhibition, replication, MDCK cells 8331. copper leaching, Thiobacillus ferrooxidans, Leptospirillum ferrooxidans, Sulfobacillus thermosulfidooxidans 7301. digestion (anaerobic), methanogenesis, use, aquaculture, Basidiomycetes culture 8404. Influenza B virus, 8404, fermentation products, energy resources, processing, citrus 6102, fermentation, soil amendment, soil microorganisms 8258, fishery products, silage production, fermentation, tactic acid bacteria 2753, food industry, single-cell protein, production, amino acid composition, Fusarium oxysporum f.sp.lini 1729, food processing, biotechnology, books 4233, food processing, composting, thermophilic fungi survival 4114. antiviral activity, cell culture, herbal medicines, Alternanthera philoxeroides 7392 detection, methodology comparison, hemagglutination inhibition, hemolysis, man 4149 herinagglutinins biosynthesis, ribavirin antiviral activity, cell culture 8322. immunodiagnosis, enzyme-linked immunosorbent assay comparison hemagglutinat inhibiton 605.

fluenza virua, antibodies, complement fixation assays 3235. antibiral activity, distamycin A, analogs, structure-activity relationships, synthesis 6472.

synthesis 6472.
antiviral activity, rosedungin 6485.
cohing, hemagglutinins, neuraminidase, production, vaccines 6598.
antiviral activity, rosedungin 6485.
cohing, hemagglutinins, neuraminidase, production, vaccines production, mice 6620.
fluorescent antibody test identification 9278.
genetic engineering, vaccines production 6604.
hemagglutinins, expression, cloning vectors, immunogenicity, antigenicity,
vaccines production 6636.
hemagglutinins genes, vaccinia virus transfection, gene expression, induction
antibody response, hamsters, rabbits 4887.
hemagglutinins, immunodiffusion standardization 4993.
hemagglutinins, immunodiffusion standardization 4993.
hemagglutinins, simulation natural killer cells cytotoxicity, use vaccines
production 6647.
immunogenicity, proteins, isolation 1704.
levels, vaccines 2320.
membrane proteins, liposomes incorporation, vaccines, immunogenicity, rabbits
6650.

6650 neuraminidase, antibodies detection, enzyme-linked immunosorbent assay

neuraminidase, antibodies defection, enzyme-linked immunosorbent assay methodology 1567. 
protein M, use, enzyme-linked immunosorbent assay, detection, antibodies 1541. 
protein M, use, enzyme-linked immunosorbent assay, detection, antibodies 1541. 
structural proteins analysis, erythrocytes adsorption 5887. 
symthetic antigens, vaccines production, immunogenicity 6601. 
formation systems, computer applications, clinical microbiology, bacteria analysis 6770. 
data analysis, fermentation 7796. 
fusion fluids, 
raw materials use production, contamination, bacteria, fungi 8342. 
cs.

bark, nitrogen-fixing bacteria activity 8147.

heritance,
Ac7 locus, association white rust, Albugo candida disease resistance, Brassica
napus 2854.

Ascochyta pinodella blight disease resistance, plant breeding, Pisum sativum 5477.

barley yellow dwarf virus disease resistance, plant breeding, Avena sativa× Avena steniis 8072. disease resistance, Botrytis cinerea, Didymella applanata, plant breeding, Rubus idaeus 3869.

disease resistance, Bremia lactucae downy mildew, Lactuca sativa, field trials 303.

3003.

disease resistance, brown rust, Puccinia recondita, Triticum aestivum 2836. disease resistance, Cicer arietinum, Fusarium oxysporum f.sp.ciceris wilt 298. disease resistance, Drechslera sorokiniana infection, Festuca arundinacea 6290. disease resistance genes, speck, Pseudomonas syringae pv.tomato, Lycopersicon

disease resistance, leaf rust, plant breeding, seedlings, Secale cereale 8907. disease resistance, Lycopersicon, Phytophthora nicolianae f.sp.nicolianae, foot rot, root rot 296.

disease resistance, Plasmodiophora brassicae clubroot, Brassica napus, Brassica oleracea 300.

oleracea 300. disease resistance, Pseudomonas syringae tabaci wildfire, Alternaria alternata brown spci, Nicotana tabacum 317. disease resistance, Puccinia polyadari rust, Zea mays 8071. disease resistance, Puccinia polyadari root rot, Phaseolus vulgaris 2069. Feasarim sprysporum I.s. papi yellows disease resistance, Apium graveolens 80 nodulation, Phizobium, nitrogen fixation, plant breeding, Medicago sativa 2979. Physophthora infestans, pathogenicity, Solanum tuberosum 2815. Phaseolus vulgaris, Xanthomonas campestris pv. phaseoli blight 4sep. Phaseolus vulgaris, Vanthomonas campestris pv. phaseoli blight 4sep. Phaseolus vulgaris, Vanthomonas campestris pv. phaseoli blight 4sep. Physophthora infestans, pathogenicity, Solanum tuberosum 2815. Plant breeding, disease resistance, Solanum gourlayi 6294. Puccinia graminis stem rust, disease resistance, Priticum asstivum 6293. Puccinia strilomis stripe rust disease resistance, Pant breeding, Triticum 5476. Pyricularia oryzae blast disease resistance, Onyza sativa 5493.

54/fb.

Pyricularia oryzae blast disease resistance, Oryza sativa 5493.
root rot disease resistance, Triticum 2885.
seeds yield, nitrogen, Bradyrhizobium japonicum inoculation effects on, Glycine max 5660. soybean mosaic virus disease resistance genes, Glycine max 2853. stripe rust disease resistance, growth stage, vegetative cells, Triticum hybrids

zucchini yellow mosaic virus disease resistance, zym gene, linkage analysis, Cucumis melo 5478. hibitors.

hlbtors,
chymotrypsin, production, Streptomyces 7658.
β-D-glucuronidase, purification, characterization, Micromonospora 5105.
grothy, production, Gaeumannomyces graminis var.tritici 8374.
groteinase, problem, purification, characterization, Caphalosporium 8525.
groteinase, prohisin, purification, characterization, Caphalosporium 8523.
stillisin, thermal denaturation, C.D., Streptomyces 7674.
triacylgiyocarol lipase, purification, characterization, Mycobacterium tuberculosis 4263.
viruses, antiviral activity, characterization 5744.
inaction avatures.

viruses, artiviral activity, characterization 5744.

pection systems, extino systems, experimental infection, Solanum tuberosum 4495.

per seperimental infection, Solanum tuberosum 4495.

per section systems, solanum tuberosum 4495.

per section section systems, solanum teres 5563.

per section section systems, production, production, solanum terus, silicon section systems, solanum terus, silicon section systems, solanum terus, silicon section systems, solanum terus, silicon section section systems, solanum terus, silicon section sectio

inorganic pyrophosphatase, (continued) 3487.

purification, characterization, kinetics, Schizophyllum commune 5154. inosine,
production, ribonucleosides metabolism, mutants. Brevibacterium ammoniagenes

5'-Inosinic acid,

biosynthesis, antibiotics effects on, Brevibacterium ammoniagenes 6063. biosynthesis, Brevibacterium ammoniagenes 6062. Inostito-biodidig protein, purification, characterication, Pseudomonas 5955.

biological activity, N<sup>6</sup>-(2-hydroxyethyl) adenosine, purification, Cordyceps, Isana 6060. Inotropism,

Insecta,
Bacillus thuringiensis, nuclear polyhedrosis virus, biologica environmental factors 2671, use, biological control 4390, biological control, conferences 846. nsis, nuclear polyhedrosis virus, biological control,

uological control, connerences 846. biological control, microorganisms 8639. biological control, pathogene propagation, whey recycling methodology, Bacillus thuringiensis, 8-toxin 6899. Fusarium, biological control, reviews 6926. host range, biological control, Erynia pieris 6906. interspecific relationships, Fusarium, host range, biological control, reviews 5215.

microorganisms biological control 2673.
microorganisms, biological control, reviews 6077.
pathogenicity, antigenic characteristics, Bacillus thuringiensis subsp.colmeri
6913.

pest control, biological control, viruses 1844. toxicity, spore crystals, Bacillus thuringiensis viruses, biological control, reviews 7772. s subsp.darmstadiensis 6082.

secticides, antifungal activity, powdery mildew, Erysiphe pisi, pathology, Lens culinaris 8917 chemical control, Aleyrodidae, vectors, mung bean yellow mosaic virus, Vigna

radiusis vibb. disease control, Myzus persicae, vectors, potato leaf roll virus infection, Solanum tuberosum 2065. effects on vesicular stomatitis virus infection, mammalian cells, cell culture 2434.

x243-4.

Recording assays, high-performance liquid chromatography, biological control, Bacillus thurnigiensis 2766.

Bacillus thurnigiensis 2766.

Bacillus thurnigiensis 2766.

Saccharomyces cerevisiae biodegradation, association, fermentation 990.

Robert satements, chemical control, fungicides, Hordeum, Rhopaldesphum maidis eaed treatments, chemical control, fungicides, Hordeum, Rhopaldesphum maidis

toxicity, Saccharomyces cerevisiae, nontarget organisms, wine fermentation 2082. Insulin

Insulin, production, gene transfer, bacteria 3524. 
Integrated control, 
nuclear polyhedrosis virus, pesticides, Heliothis armigera 977, 
pesticides + Bacillus thuringiensis, nuclear polyhedrosis virus, Heliothis 
virescens 135. 
plant diseases 1217. 
Transchafema viride + funcicides inhibition Chondrostereum purpureum s

piant diseases 1217.
Trichoderma viride+fungicides, inhibition Chondrostereum purpureum spore germination, silver-leaf disease, pruning wounds, Prunus domestica 5588. vectors, pest control 7648.
Verticillium lecanii+carbaryl+iprodione, spore germination, inhibition, Aphididae

2654

ed control, pathogens 3898. interferon,

activity, plaque assay, Sindbis virus 632. +antibodies, antiviral activity, conjunctiva cell culture, man 2227. +antiviral activity, bioassays, herpes simplex virus, vesicular stomatitis virus, in vitro 4773. in vitro 4773.
antiviral activity, cytomegalovirus (human), herpes simplex virus 2, herpes simplex virus 1 9121.
antiviral activity, herpes simplex virus, poliovirus 2233.
antiviral activity, herpes simplex virus 1, Escherichia coli, expression 4028.
antiviral activity, herpes simplex virus 2 9114.
antiviral activity, herpesvirus, coli culture, nele 2226.
antiviral activity, Japanese encephalitis virus, respiratory syncytial virus antiviral activity. Japanese encephalitis virus, respiratory syncytial virus antivirus activity.

nativiral activity, L cells, factors affecting 466. antiviral activity, mammalian cells, recombination, DNA 4778. antiviral activity, microinjection, antibodies, effects on 9111. antiviral activity, respiratory tract isolates, cattle 4759. antiviral activity, vesicular stomattis virus, Semiliki Forest virus, cell culture 7389. activital exitivity, viruses, characterization reviews 8307.

culture 7389, antiviral activity, viruses, characterization, reviews 8327. antiviral activity, viruses infection, HeLa cells, mice L cells 1350. assays preparation, viruses inactivation methodology 8459. +9-(1,3-dhydroxy-2-propoxy)methyl-jeuanine, inhibition DNA biosynthesis, herpes simplex virus 2 6460. ±9-(1,3-dhydroxy-2-propoxymethyl)guanine, replication, antiviral activity, cytomegalovirus (human) 9115. herpes simplex virus transformed cells, effects on 462. induction, L cells, antiviral activity, vesicular stomattiss virus, Newcastle disease virus 467.

disease virus 467

disease virus 407.

like compounds, disease resistance, plant viruses, plants 4573.
like proteins, disease resistance, plants 6288.
production, gene transfer, bacteria 3524.
production, genetic control, lac promoter, tryplac promoter, Escherichia coll

+antiviral agents, antiviral activity synergism, varicella-zoster virus 4766. disease control, infectivity, replication, tobacco mosaic virus, Nicotiana

rimantadine hydrochloride, +ribavirin, inhibition, replication, influenza A virus 3066. units, disulfide bonds, relationship conformation, antiviral activity, man

vesicular stomatitis virus infected cells, effects on protein biosynthesis 6470.

omoe batatas, disease resistance, Streptomyces ipomoea, screening projects 4583. Elisinoe batatas scab, tubers yield 8007. farnesol dehyforgenase, black rot, Ceratocystis fimbriata, effects on 7187. little leaf, mycoplasma-like organisms 6286. oxaiic acid leyels, fungi infection 6281. gene expression, cloning, Escherichia coli, characterization, antiviral activity. man 2228 --Intarferon, antiviral activity, retrovirus, cell culture 7390.

Intergeneric hybridizartion, Streptoemyces coelicolor, recombination, artibiotics biosynthesis 7411.

Interspecific hybridization, protoplast fusion, Saccharomyces cerevisiae × Saccharomyces diastaticus 5925.

Interspecific relationships, Cladosporium antagonism, Melampsora larici-populina, ieaf rust, hybrids, Populus 361. latent infection, Euphorbia lathyris, weeds, USA, Arizona 8044. ipomoea fistulosa,
Acrosporium powdery mildew, new records, India 2038. Ipredione, disease control, Pythium, dieback, Daucus carota 8116. iprodione. notione. antifungal activity, resistance, Aspergillus nidulans, Cladosporium cucumerinum, Penicillium italicum 8296. +carbanyl, +Verticillium lecanii, integrated control, spore germination, inhibition, Aphididae 2654. mycorrhizas, Helicotylenchus digonicus parasitism, roots, mycorrhizas, Pinus strobus 348. strobus 348.

hizosphere microorganisms, pedogenesis 394.

Inteatinal microflore,

bidin nutrient availability, orial administration, Lactobacilitus

acidophitus+antibiotics, chickens 2750.

colliforms, inhibition, Lactobacilitus oral administration, chickens 2751.

Escherichia coli, man, amoxicillin, cephradine, antibiotic resistance 6419.

gram-positive bacteria, antimal isolates, antibiotic sensitivity testing, growth

regulators, feeds additives 3729.

lactic acid bacteria antagonism, colibacillosis prevention, chickens 1064.

rats, ecosystem analysis, methodology 7587.

Intoxication,

Zea mays, food contamination, mycotoxins, cattle 6205.

Introduced species,

phytopathogenic fungi spores, quarantine, New Zealand 6329.

Introns. mnitation, Aphididae 2554.

effects on nitrification, ammonification, respiration, soil microorganisms 1266.

+ metalaxyl, fumigation, comparison, drenches, disease control, Phytophthora fragariae infection, Fragariae infection, Fragariae infection, Fragariae infection, Fragariae 1182.

pesticide resistance, Sclerotium cepivorum 5529.

resistance, Sclerotium cepivorum 6312.

Rhizoctoria sensitivity 8106. Ips typographus, mixed infection, Ceratocystis, defensive mechanisms, Picea abies, Norway 1237. Iran,
Gramineae, rhabdovirus transmission, Ribautodelphax notabilis role 262. Iraq,
Nicotiana tabacum leaves mycoflora aflatoxins biosynthesis 7089.
water resources, coliforms indicator species incidences 2407. hirtrons, excision, methodology, cellulase, exo-cellobiohydrolase genes, clones, Trichoderma reesel 8568. detection, viruses infection, use, electrophoresis 8816. Irls mild mosaic virus, infection, detection, use, electrophoresis, Iris 8816. Irls severe mosaic virus, infection, detection, use, electrophoresis, Iris 8816. fermentation, ethanol production, Helianthus tuberosus, stalks, Kluvveromyces fermientation, ethanol production, Helianthus tuberosus, stalks, Kluyveromyces marxianus 5298. 
hydrokysis, fructose production, inulinase, immobilized enzymes, Kluyveromyces fragilis 8548.

Inulin fructotransferase (depolymertzing), biosynthesis, factor affecting, Arthrobacter ureafaciens 4340. 
Inulinase, association, p-D-galactosidase, production, batch culture, continuous culture, Kluyveromyces fragilis 7745. 
biosynthesis, characterization, Aspergillus niger 6039. 
Immobilized enzymes, inulin hydrolysis, fructose production, Kluyveromyces fragilis 8548. 
production, fermentation, optimization, Aspergillus niger 5179. 
suppressor mutant, fructose production, Pichla polymorpha 3526. 
Invertase, Iron(II). Iron(III), antifungal activity, Aspergillus fumigatus spores, Candida albicans 4014. oxidation, ferrous sulfate, Thiobacillus ferrooxidans, kinetics, chemostats role leaching, cobaltous sulfide, Thiobacillus ferrooxidans 9030. binding, ferricrocin, purification, characterization, Aspergillus versicolor 8521. pyrite, oxidation, leaching, mining, iron-oxidizing bacteria 5689. scandium(ill) enterobactin complex, antibacterial activity, gram-negative bacteria 5727. Invertase, immobilization substrates 3507.

Invertabrata, interspecific relationships, soil microorganisms, decomposition, leaf litter, colonization, forest floor 7222. lodide, antifungal activity, Aspergiilus fumigatus spores, Candida albicans 4014. antifunda acusty).

dollina.

antisoptics, antimicrobial activity 2416.

derivatives, disinfection 1507.

disinfectants, antiviral activity, African swine fever virus 1345.

disinfectants, antiviral activity, retrovirus (avian), infectious bursitis virus 4026.
+N-(p-hydroxyphenyl) glycine complexes, antimicrobial activity 4033. solutions, preservation, marine bacteria 6760. teat dips, prophylaxis, mastitis, cattle 4959.

Iodocastic acid, soil pollution, effects on soil microorganisms biodegradation glucose, calcrimetry 2933.

2-lodobenzamildes.

1 inchoderma viride, integrated control, silver-leaf disease, Prunus domestica. use, Cronartium quercuum f.sp.banksianae rust disease control. Pinus 3916. lododeoxyurldine, sensitivity, typing, herpes simplex virus, clinical isolates 594. lodometry, chemical analysis, copper-chrome-arsenic, wood preservatives 7244. micromethods, detection, Pseudomonas aeruginosa β-lactamase 8562. micromethods, detection, Psaudomonas aeruginuses practismase code.

Idodophors,
contamination, Pseudomonas aeruginuse, characterization 7539.

Pseudomonas aeruginuse, contamination, association, polyvinyl chloride, role,
survival 6723.

Ion exchange,
formate dehydrogenase purification 7733.
Ion-exchange chromatography,
cholesterol oxidase, Streptomyces lavendulae 4307.
neocarzinustatin purification, characterization, Streptomyces carzinostaticus
4374. 49.7/4, 2007. Durification, acetyl-CoA acetyltransferase, 3-hydroxybutyryl-CoA dehydrogenase, Clostridium kluyveri 8588. purification, Chlamydia antigens 728. lonic strength, effects on DNA binding, chromatography, RNA polymerase III 7704 olinizing radiation, and contamination, cacao beans 4568. mycomizas, symbiosis, plants, effects on 8978. preservation, food, reviews 8714. steniization 1363. derivatives, antifungal activity, antibacterial activity 6491 derivatives, antimicrobial activity 6486. collar effects on virginiamycin binding ribosomes 8376.
Fusarium graminearum, effects on galactose oxidase kinetics 922, metals, effects on Thermomonospora fusca cellulase activity 1804. oxygen, production, cercosporin, photoinduction 7901. sewage effluents effects on, poliovirus adsorption, soii 4934. lontophoreals.

biogeochemistry, microorganisms, reviews 8208.

characterization, hydrogenase, Methanobacterium thermoautotrophicum 8560.

chelating agents, catecholamide, bacteriostasis, fungistasis 448.

chelating agents, inhibition Clostridium botulinum toxins, pork, minced meat 7035. 7035. 
Chelating agents, parabactin, bis-N1,N8-(2,3-dehydroxybenzoyl)spermidine, antiviral activity, ribonucieoside-diphosphate reductase, DNA biosynthesis, herpes simplex virus 1, vesicular stomattis virus 8335. 
mohydenum complex, nitrogenase, substrate specificity, spectroscopy, nitrogen-fixing bacteria 2607. 
mohydenum proteins, cofactors, nitrogenase, C.D., Klebsiella pneumoniae 5141. 
mohydenum suffur complex, nitrogen binding, models, nitrogenase 2605. 
nutrient requirements, Aspergillus aflatoxins biosynthesis 7068. 
nutrient uptake, nitrogenere microorganisms, plants 5827. 
nutrient uptake, situalition, vesicular-arbuscular mycorrhizas, Arachis hypogaea 5641. proteins, modification, nitrogenase, nitrogen fixation regulation, Rhodospirillum rubrum 2611. reduction enzymatic activity, Rhodopseudomonas sphaeroides, electrophoresis methodology 3347. reduction, rhizosphere microorganisms, fertilizer applications effects on, Oryza sativa 729. sativa 7297.

Iron phosphot, eseudomonas striata, Aspergillus awamori 6350.

Iron-oxidizing bacteria, iron(III) oxidation, pyrite, mining, leaching 5689.

Iron-auffur centera,

Clostridium botulinum vegetative cells, nitrite effects on 6203.

levels, nitrogenase, Azotobacter vinelandii 2608.

Iron-auffur proteins,

purification, characterization, Chromatium warmingii 4262. Irpex lacteus, endo-1,4-β-D-xylanase, purification, characterization 7751. Irpex pachyodon,
methyl-acethydroxamoilacetate, effects on protons pumps, respiration (cyanide insensitive), roots, Triticum aestivum 8745. insensitive), roots, Triticum aestivum 8745. Irrigation, effects on Macrophomina phaseoli infection, Helianthus annuus, pathogenesis association developmental stages 1142. syrays, waste water, bacteria dispersion 9250. use, metam+sodium, disease control, Verticillium dahliae infection, Solanum tuberosum, effects on yield 1209. waste water aerosols, viruses microbial pollution, public health risks, reviews 2336. waste water, crop fields, soil properties, bacteria, characterization 4924, waste water, dispersal, bacteria, airborne microorganisms 1456, waste water, microbial pollution, enterovirus, ground water 5852. waste water sprays, coxsackievirus B5 seroepidemiology, occupational exposure man 4096.
man 4096.
water, Escherichia coli, pathogens reduction, solar radiation 9249.
water, Escherichia coli, pathogens reduction, solar radiation 9249.
water salinity effects on vesicular-arbuscular mycorrhizas vertical distribution,
Citrus 1255. Citrus 1:237.

Zea mays, effects on seed-borne diseases, Fusarium moniliforme colonization 79

Irri gation systems,
sediments, detection, Plasmodiophora brassicae, role, Brassica oleracea
var.capitata clubroot 3820. Isaria, N<sup>5</sup>-(2-hydroxyethyl) adenosine, purification, biological activity, calcium antagonists, inotropism, guinea-pigs 6060.

chemostats 3000.

antibacterial activity, Escherichia coli, association catheterization 734.

Microbiology Abstracts A vol. 19 aria tax,
biological control, Idioscopus clypealis 7767.
arthirizone,
arritiviral activity, transmissible gastroenteritis virus 1344.
landic acid,
Penicillium islandicum production, effects on Yoshida sarcoma cells growth, phage
M2 DNA transfection 9120. Israel, (continued)
Solanum tuberosum, Alternaria alternata pathogenicity 6284.
Itaconic acid, production, Aspergillus terreus immobilized cells 862. Italy,
Capsicum annuum, pepper mild mottle virus infection, pepper mottle virus disease
resistance, new records 4566.
Castanea dentata isolates, Cryphonectria parasitica virulence conversion, blight M2 DNA transfection 9120.

lands, biogography, models, host-pathogen interactions, Ustilago violacea, Viscaria viugaris 3840.

biogography, models, host-pathogen interactions, Ustilago violacea, Viscaria viugaris 3840.

boutame, metabolism, biodegradation, oxygenase activity, Nocardia paraffinicum 8275.

laccapyloyl-3-hydroxymethyl-4-hydroxybutyrolactone, interacellular levels, effects on streptomycin biosynthesis, energy charge, sporulation, Streptomyces griseus 4846.

cottrate dehydrogenase (notare dehydrogenase), particular of the production o biological control 6326.

Castanea dentata isolates, Cryphonectria parasitica virulence conversion, blight Castanea demata isolates, Crypnonecria parastica viruence conversion, biignt biological control 6327.

Malus pumila, biister spot, Pseudomonas syringae var.papulans, pathology 7161.

Olea europea, cucumber mosaic virus isolation 6248.

Salmonella isolation, antibiotic sensitivity testing 9160.

Staphylococcus, clinical isolates, methicillin, antibiotic sensitivity testing Bacilius submis, eriects on Saccharomyces cerevisiae growin, cytopiasmic membranes structure 4886.

Ivory Coast,
Pennisetum americanum, plant diseases, guinea grass mosaic virus, etiology 4512.

Ixodes dammini, Jamaica,
Wissadula periplocifolia, little leaf etiology, rickettsia-ilike organisms,
mycoplasma-like organisms, new records 2046.
Wissadula periplocifolia, little leaf, rickettsia-ilike organisms, mycoplasma-like
organisms, disease transmission, treatment 2047. induction, purification, characterization, Escherichia coli 4280. induction, purmication, characterization, Escherichia coli 4280.

octitric acid, production, glucose fermentation, Candida ravautii 5961.

socyano-penIcIllanates,
synthesis, stereoselectivity 6535.

soelectric focusing,
esterase, Yersinia enterocolitica, Yersinia pseudotuberculosis
subso, pseudotuberculosis 6856.

1,3-α-D-glucan synthase, 1,6-α-D-glucan synthase, Streptococcus mutans organisms, disease tratiment, biotechnology 4923.

Japan,
composting, waste treatment, biotechnology 4923.
fruit trees, viruses identification 3811.
man, yersiniosis epidemiology, Yersinia incidence, cow's milk 7007.
rivers, water poliution, viruses 8423.

Japanese encephalitis virus,
antibodies, cerebrospinal fluid, man, radioimmunoassay, detection 615.
antipgens, detection, agglutination, protein A 4991.
antivirus activity, interferon 1346.
enzyme-linked immunosorbent assay, immunoglobulin M, immunoglobulin G, serum,
experimental infection, pigs 5011. experimental infection, pigs 5011: immunodiagnosis, immunoglobulin M detection, serum, radioimmunoassay 593. sercepidemiology, hemolysis, detection antibodies, man 4996. Juglans, allelopathy, Rhizobium, Frankla, nitrogen fixation 3959.

Juglans Cinerea, canker, Sirococcus clavigignenti-juglandacearum, conidia, survival, airborne canker, sirococcus davigignenti-jugianuacearum, cinidua, survivar, ancome microorganisms 1138. Sirococcus clavigignenti-jugiandacearum canker, pathogenicity, disease spread, plantations 7991. Jugians hindsii, blackline disease, cherry leaf roll virus etiology 4530. Juglans nigra, growth essociation Gnomonia leptostyla anthracnose 3918. growth essociation Gnomonia leptostyla anthracnose 3918 growth, efficient provided in the control of the control o hydrolysis, exc-1,4-a-D glucosuases, representing production, purification 3534.

Onlazid, antibacterial activity, mycolic acids biosynthesis, Nocardia 9098. 
drug resistance, Mycobacterium tuberculosis, clinical isolates, USA, Texas 6422. 
drug resistance, Mycobacterium tuberculosis, clinical isolates, USA, Texas 6422. 
drug sensitivity testing, drug resistance, Mycobacterium tuberculosis 6443. 
drug sensitivity testing, Mycobacterium tuberculosis, radiometry 3051. 
openicillin he permerase, penicillin analogs enzymatic synthesis, Streptomyces clavuligerus 5776. 
openicillin hasynthesis, cephalosportum acremonium 9195. 
penicillin biosynthesis, Cephalosportum acremonium 9195. 
penicillin biosynthesis, pathway, Cephalosportum acremonium 6528. 
openicillin he-pimerase, Streptomyces clavuligerus, purification, characterization 1819. 
opropyl N-penylcarbamate, biodegradation, bacteria, water isolates 6945. 
4-O-lsopropylidene-3,3'4,5'-tetrahydroxystilbene, antifungal activity 8308. 
oprortilorae, antipurgal production, effects on, Aspergillus parasiticus 3745. 
inhibition Pyrcularia oryzae, appressoria penetration, blast, Oryza sativa 2892. 
oproturon, remistance, soil, biodegradation, microorganisms 4630. fasciculatus 7229.

Fhydrosy-1,4-naphthoquinone, hydrojuglone glucoside, relationship, disease resistance, Gnomonia leptostyla, anthracnose 3855. leafspot, Mycosphaerella juglandis sp.nov 7163. plantations, anthracnose epidemics incidenie, USA, Illinois 7995. Juglans regia, orchards, root rot, crown rot, Phytophthora 271. transmission (vertical), cherry leaf roll virus, virus-like particles, localization, pollen, anthers 7990. grapes, yeasts growth measurement, nephelometry methodometry 7851. oranges, frozen products, microorganisms enumeration 7850. Sorghum, Fermentation, ethanol production, Yeasts 5302. Juncus roemerlanus, lignin, mineralization, fungi, role, marine environment lignocelluloses, biodegradation, microorganisms 2704. Junion, effects on Aspergillus niger morphology, use, biomass measuring techniques 1677 Kabatlella caulivora, scorch, disease resistance, plant breeding, varieties, Medicago 6291. 
Kalanchoe blossfeldlana, spot, bacteria, etiology 4555. 
Kalanchoe latent virus. 
cytopathology, Chenopodium quinoa 7174. 
Kanamycin, antibiotic resistance, genes, cloning, Streptomyces 1314. 
antibiotic resistance, 11 factors characterization, clinical isolates, Staphylococcus aureus 9178. 
antibiotic resistance, R tactors transfer, Staphylococcus aureus 9044. 
antibiotic resistance, Staphylococcus aureus, relationship protein A biosynthesis 9054. persistence, soil, biodegradation, microorganisms 4630. persistence, soil, biodegradation, microorganisms 4630. othlazoildinone, conversion, B-lactam antibiotics, models, penicillin biosynthesis 6530. lacthiccyanato-penicillianates, synthesis, stereoselectivity 6535. ioxazole,
synthesis, antibacterial activity, ampicillin chemical modification 1398.
laoxazolo benzoxazolee,
antimicrobial activity, microorganisms, characterization 8340.
ioxazolo-[3-4-c-]pyrazole hemilazadlcarbocyanine,
antimicrobial activity 7393.
ioxazoly thazolidin-4-onee,
antifungal activity, fungi, characterization 8313.
Irrael 9054.
antibiotic sensitivity testing, gram-negative bacteria, isolation, heart surgery postoperative infection 3107.
Iabelling, enzyme immunoassay 3109.
resistance genes, hybridization analysis, transposons, gene expression, Escherichia coli, Rhizobium mellioti 442.
stimulation IMP biosynthesis, Brevibacterium ammoniagenes 115.
stimulation IMP biosynthesis, Brevibacterium ammoniagenes 952.
Kanemycin 6'-acetyltransferase, activity, aminoglycoside antibiotic resistance correlation 5714.
Karabemycin 6'-acetyltransferase, activity, aminoglycoside antibiotic resistance correlation 5714. 9054

Badilist thuringiensis subsp.israelensis, biological control, Culex pipiens, Acedes aegypti 2672.
Badilist thuringiensis subsp.israelensis, biological control, Culex pipiens, Acedes aegypti 3543.
Acedes aegypti 3543. beet western yellows virus, plant diseases, Beta vulgaris, Lactuca sativa, Brassica 4539.

soil, spores, Glomus, Scierocystis 6337.

171

Karabemycin, Streptomyces, biosynthesis, structure, antibacterial activity, gram-negative

Klebslella pneumoniae, (continued) antibiotic synergism antibacterial activity, β-lactam antibiotics+amikacin Karabemycin, (continued)
bacteria, gram-positive bacteria 1437.
Kashmir bee virus,
antibsera production 5891.
Kaur-16-en-19-oic acid,
isolation, Helianthus annuus, antibacterial activity, Staphylococcus aureus,
Mycobacterium smegmatis 4009. antibiotic synergism antibacterial activity, β-lactam antibiotics+amikacin 1391.
antibiotic synergism, sisomicin, +meziocillin, +aziocillin 2271.
antibiotics antibacterial activity determination, counting methods 2239.
bactericidal activity, povidine-lodine 482.
2,3-butanediol production, aeration, glucose nutrient concentrations 3547.
2,3-butanediol production, pentoses conversion 3597.
2,3-butanediol production, sugars utilization, hydrogen fluoride, hydrolysis, wood, Populus trenuloides 8632.
2,3-butanediol production, sugars utilization, hydrogen fluoride, hydrolysis, wood, Populus trenuloides 8632.
capsules, polysaccharides, carborhydrate composition, antigens 4361.
cephalothin ambitotic sensitivity testing, quality control 4828.
chioralines disimection, pH effects or 9246.
clinical isolates, drug resistance, fl factors 3999.
coliforms indicator species, Identification, incidence, water temperature relationship, lakes 57.
Grethodology 6763.
anzymes, use production, guanosine diphosphate-L-fucose 6061.
sensentation, wood hydrolysates, 2,3-butanediol, butanol, production 5220.
galitic acid production, biodegradation, tannins, Caesalprinia spinosa 5106.
growth, endotoxins production, lipide emulsions 1946.
mutants, nitrogenase, molybdenum-iron protein, recombination, gene expression, E.S.R. 3413.
nitrogen fixation, genes, gene expression, Azotobacter vinelandii 1280. Kauranola. conversion, Rhizopus nigricans 5248.

Kauranones,
conversion, Rhizopus nigricans 5248. organoleptic evaluation, production, lactic acid bacteria 1055.

Keratin, burning, anesthesia, apiculture, Apis mellifera 4230.

Keratinophilic fungl,
growth, sporulation, soil, volatiles organic compounds production effects on
5648. growth, sporulation, soil, volatiles organic compounds production effects on 54-8.

soil microorganisms, Spain 6336.

Keratoconfunctivitis, cattle, Moraxella bovis, media (Isolation) 2452.

12-Ketochenodeoxycholic acid, synthesis, dehydrocholic acid reduction, activity, NADH regeneration 6090.

Ketoconazole, antifungal activity, relative inhibition factors measurements, dose-response effects 4017, artifungal activity, Condiobolius, Basidiobolius 7380, artifungal activity, growing the strong formation, spore germination, Trichophyton mentagrophytes 5738, artifungal activity, terviews 7381.

Cryptococcus neoformans growth inhibition 1407.

drug sensitivity testing, Candida albicans 5741, effects on, growth, Candida albicans 4754, susceptibility methodology, dermalophyte fungi 1336.

3-Ketochhydrosphilingoeline synthetase, inhibition, Loydiosenne, Bacteroides livil 7472.

2-Ketoglutaretisk, growing the strong synthesiase, inhibition, Loydiosenne, Bacteroides livil 7472.

2-Ketoglutaretisk, growing the synthesiase, inhibition, to policy before the synthesia synthesiase, inhibition, to policy before the synthesiase, inhibition, to p E.S.R. 3413.

ntrogen fixation, genes, gene expression, Azotobacter vinelandii 1280.

ntrogenase, kinetics 19.

ntrogenase, kinetics 19.

ntrogenase, molybdenum iron proteins, cofactors, C.D. 5141.

ntrogenase, molybdenum iron protein, molybdenum-iron protein, nitrogen fixation, nitrogenase, sodium bisuffite reduction 903.

nitrogenase, substrates reduction, nitrogen fixation, models 2609.

norfloxacin drug sensitivity testing 9095.

nutrition, wood decay 4423.

osmotic stress, inhibition, nitrogen fixation, glycine betaine, enhancement, nitrogenase, biosynthesis 6354.

serum bactericidal activity, aztreonam, ± ceroperazone, ± amikacin 8344.

whey fermentation, 2, 3-butylene glycol production 2643.

Kloeckera saturmus,

methyl-2-methyl-3-(2-furyl)-3-bxopropionate reduction,

methyl-2-methyl-3-(2-furyl)-3-hydroxypropionate production 4399.

Klorocin, Ketone, alicyclic ring, biodegradation, reviews 8277. Ketor Retore, alicycic ring, biodegradation, reviews 8277.

Ketoi a production, alcohols oxidation, Corynebacterium equi 8849.

Kidney, ell culture, hepatitis A virus production, fetuses, Macacca mulatta 5882. cell culture, monkeys, rotavirus (human) isolation methodology 3233. cells, cell culture comparison, fibroblasts, herpes simplex virus isolation 4981. cells, herpes simplexvirus detection methodology 4988. cells, monkeys, isolation, rotavirus furuman) 1560.

Kidney and the substance of the subs Klorocin, disease control, stalk rot, Erwinia chrysanthemi, Zea mays, tissues persistence 8929 Kluyvera citrophila,
Penicillin amidase, synthesis penicillins, cephalosporins 505.
Kluyvera noncitrophila, Immobilized cells, organic acids production, fermentation rates, supports effects on 5301.

Kluyveromyces iragilis, biomass, association, ethanol production, whey+molasses substrates, aerobic conditions 1069.

dairy starters, whey, characterization 3717.

dairy starters, whey, production, charnol, proteins feeds 982.

Self-amol production, fermentation, tubers, Hellanthus tuberosus 5297.

fermentation, com. = whey, production, charnol, proteins feeds 982.

Self-amolized cells, ethanol, fermentation, whey 2684.

Immobilized cells, ethanol, production, bioreactors 3634.

Inulinase, association, 8-D-galactosidase, production, batch culture, continuous culture 7745.

Inulinase, immobilized enzymes, inulin hydrolysis, fructose production 8548.

Iactose, fermentation, ethanol, bioreactors 3590.

Iactose fermentation, ethanol production 5289.

single-cell protein production, whey fermentation 1720.

single-cell protein production, whey fermentation 1720.

single-cell protein production, environmentation, ethanol production 687.

Whey fermentation, ethanol production, continuous culture 3604.

Kluyveromyces lactis, caseinolytic enzymes, pH effects on 22.

peat hydrolysates, fermentation, ethanol production 6930.

Kluyveromyces marxlanus, ethanol biosynthesis kinetics 3636.

ethanol production, whey permeate fermentation, ethanol production 3640.

immobilized cells, Helianthus tuberosus fermentation, ethanol production 1864.

Immobilized cells, whey, lactose fermentation, ethanol production 1868.

temperature effects on ethanol production, stalks, Helianthus tuberosus 5298.

temperature effects on ethanol production 5888.

Kocide 101, antifungal activity, Macrophoma mangifera 4587.

Kolj, immobilized cells, organic acids production, fermentation rates, supports effects on 5301. Castanea dentata 8638.

Kitchens,
food, Pseudomonas aeruginosa isolation 5347.
surfaces, disease spread, Campylobacter, poultry 8429.

Klebalella,
airborne microorganisms analysis, trains bathrooms 579.
arribbacterial activity, apalcillin 4840.
arribbacterial agents, inibition, respiration 4751.
arribbotterial agents, inibition, respiration 4751.
arribbotterial agents, inibition, respiration 4751.
arribbotterial agents, inibition, respiration 4751,
arribbotterial agents, inibition, respiration 4751,
clinical isolates, arribbacterial activity, bacterioidial activity, dibekacin,
gentamicin, tobramycin 6540.
clinical isolates, arribbotte resistance, R factors 5709.
clinical isolates, arribbitic resistance, relationship urease, phosphatase,
production 4709. gentamicin, ibbramycin issau.

clinical isolates, antibiotic resistance, R factors 5709.

clinical isolates, antibiotic resistance, relationship urease, phosphatase, production 4709.

epidemiology, antibiotic resistance, serotyping 445.

identification, AutoMicrobic test 1645.

β-lactamase, antibiotic resistance, antibacterial activity, cefotiam 4711.

netilimicin sensitivity 8401.

nitrogen fixation, foliar applications, yield, crops 2973.

polysacoharides, side chains 1828.

polysacoharides sinchure 1830.

klebalella serogenes, antibacterial activity, ampicillin+clavulanic acid 4839.

antibacterial activity, ampicillin+sulbactam 4843.

capsules polymers binding heavy metals, activated sludge 6679.

catabolism pathway, evolution, enzymes activity, reviews 7821.

membrane proteins, oxaloacetate decarboxylase subunits composition, characterization -c-chains transferase activity 1791.

pullulanase, immobilized enzymes, starch processing 111.

Klebalella protione, simple file file.

xylose conversion, 2,3-butanediol production 5262.

Klebalella pisanticola, nitrogen fixation, bark, Bruguliera gymnorrhiza 2098.

Klebalella pisanticola, nitrogen fixation, bark, Bruguliera gymnorrhiza 2098.

Klebalella preumoniae, acotyl-CoA acetyltransferase, activity, bioassays, characterization 8612.

arribacterial activity, articolidic, pieracillin, calciollin 7431.

arribacterial activity, articolidin, pieracillin, aziocillin 7431.

arribacterial activity, articolidin, pieracillin, aziocillin, pieracillin, aziocillin 7431. antifungal activity, Macrophoma mangifera 4587. Koli, giutaminase, aminopeptidase (cytosol), assays, use L-giutamate oxidase, Aspergilius oryzae 7853. molds, soy sauce, spores inoculum production 196. Kluwalt, kluwalt, leather, fungi, biodeterioration, museums 1024. Kyllinga triceps, Sorosporium apparaoi sp.nov. smut, India 2035. La Crosse virus, a drosse virus, antitigens, enzyme immunoassay, Aedes triseriatus 609. indirect fluorescent antibody test, immunodiagnosis 596. infection, diagnosis, use, immunoglobulin M, immunoassays, man 3237. Labeling, Labeling, kanamycin, enzyme immunoassay 3109. methodology, immunochemistry, Bacteroides nodosus pili 7624. monoclonal antibodies, methodology, detection, Chlamydia trachomatis inclusion

cells 3337 Laboratories,

clinical microbiology, Norway, antibiotic sensitivity testing quality control

## Socialization (continued) Socialization (con oratories, (continued) 4040.

infibiorios sensitivity testing, Bacterioides fragilis, infection, epidemiology, man 7409.

\*\*aztreonam, antibacterial activity, gram-negative bacilli 3156.

\*\*hording D-alanyl-carboxypeptidase-transpeptidase, X-ray crystallography, Streptomyces 3457.

\*\*Streptomyces 3457.

\*\*Ipoteichoic acid, release 1393.

\*\*isease control, Xarithomonas campestris pv.malvacearum, blight, Gossypium hirsutum 6315.

\*\*periodical programs of the strength of the

β-Lactam antibiotics, (continued)

bacteria 9206. peptide bonds synthesis, use immobilized enzymes 4796. peptide bonds synthesis, use immobilized enzymes 4796. 3-phenylthopropionamide conversion, models, penicillin biosynthesis 6529. resistance, β-lactamase activity, bacteria 4702. resistance, Enterobacteriacoae, relationship, β-lactamase production 9078. resistance, Enterobacteriacoae, relationship, β-lactamase production 9078. resistance, Enterobacteriacoae, relationship, β-lactamase production 9078. Activity of the state of t

artibiotic resistance, cephalosporins, Proteus vulgaris 2194.
artibiotic resistance, ephalosporins, Proteus vulgaris 2194.
artibiotic resistance, moxalactam, Serratia marcescens 3038.
artibiotics esnsitivity testing, clinical isolates, Branhamella catarrhatis
testing 3092.
artibiotics deactivation, guinacillin, cephaloridine substrates, Staphylococcus
artibiodies deactivation, guinacillin, cephaloridine substrates, Staphylococcus

strebing 3092.

antibodies deactivity testing, clinical isolates, braintainella catalinatis testing 3092.

antibodies deactivity resting, carbonical incephaloridine substrates, Staphylococcus aureus 5156.

association, ambitotic resistance, penicillin, Streptococcus faecalis, clinical substrates and substrates are substrated in the substrate and substrates are substrated in the substrate and substrates are substrated in the substrate and substrate and substrate and substrate are substrated in the substrate and sub

yarm-negative bacteria, clindamycin effects on derepression 515.
Haemophilus influenzae, detection methodology, cerebrospinal fluid, man 1643.
Haemophilus paraphrophilus, detection, quality control, clinical microbiology
4688.

4688. hydrolysis, (D.L.)-7-(α-fluoroacylamino)cephalosporanic acids, antibiotic resistance, antibacterial activity, Escherichia coli, Enterobacter cloacae 9190. hydrolysis, peniciliins, cephalosporins, kinetics, Bacillus cereus 4279. hydrolysis substrates, pH, deuterium oxide effects on, kinetics, Bacillus cereus 4276.

4278. imipenem, inhibition, Proteus vulgaris 2317. imipenem, inhibition, Proteus vulgaris 2317. indicators, pyridine-2-azo-p-dimethylanliline cephalosporin, gram-negative bacteria, clinical microbiology 501. inhibition, benzylpenicillin, mecillinam, derivatives, penams, (2,3)-8-methylenepenam 6532. inhibition, Enterobacter cloacae 6-aminopenicillanic acid, new records 2263. inhibition, Eulevaluria caid-4-amoxicillin, antibacterial activity, antibiotic resistance, clinical isolates, gram-negative bacteria, gram-positive bacteria

uacteria 6505.
Inhibitors, clavularic acid, sulbactam, quinacillin sulfone, antibiotic MM13902, antibiotic MM4550, gram-negative bacteria 9161.
Inhibitors, production, Micromonospora, Streptoverticillium, screening 3082.
Interaction oxyrimio-cephalosporins, structure-activity relationships,
Eschericichia coli 6832.

Escherichia coli 6832.
β-lactam antibiotics hydrolysis, Bacillus licheniformis 4689.
levels, Staphylococcus aureus, levels relationship, antibiotic resistance, heavy metale resistance 203.
plasmids, antibiotic resistance, Enterobacteriaceae 8290.
production, clinical isotates, colorimetry, cephalosporins 487.
production, Enterobacteriaceae, relationship, β-lactam antibiotics resistance 9078

9078.
production, facultative bacteria, role, Bacteroides melaninogenicus protection, penicillin antibacterial activity 5775.
production, media (culture), Neisseria gonorrhoeae 718.
production, penicillin antibiotic resistance, oral cavity clinical isolates 7334.
production relationship, bacteria detection methodology 3286.
production relationship, Neisseria gonorrhoeae drug sensitivity testing 1377.

β-Lactamase, (continued) production, Staphylococcus aureus, antibacterial activity, penicillins 4842, production, Staphylococcus, clinical isolates, screening, media (culture), rethodology 3350.
Pseudomonas aeruginosa, association, antibiotic resistance, piperacillin, cefazicilme, postudorin 4896.
Pseudomonas aeruginosa, detection, iodometry, micromethods 8562.
Pseudomonas antiophilia, purification, characterization 4285.
role antibiotic resistance, bacteria, infection, clinical aspects, reviews, man 3031. Lactic acid bacteria, (continued)
proteolytic enzymes characterization, role, milk products production, reviews 96
proteolytic enzymes, cheese production, affatoxin B1 effects on 8730.
role, production, lemented food, reviews 211. procession of the control of the con Tole, antibiotic resistance, becterist, infection, unlinear aspects, feviews, final 3031.

role, antibiotic resistance, mezlocillin, Staphylococcus aureus 3008. role moxalactam antibacterial activity, Enterobacteriaceae 5769. stability, antibacterial activity, antibiotic FR 17027 7430. stability, antibiotic FR 810, antibiotic FR 47027 r430. stability, role β-lactam antibiotics structure 4325. Staphylococcus, biosynthesis, clinical isolates comparison 1813. 6-β-(trifluoromethane sulfonyl)-amidopenicillanic acid sulfone, derivatives, inactivation, Bacillus cereus 1780.

X-ray crystallography, Enterobacter cloacae 1760.

Lactarius necetor, necatori stability 7904. Lectarius precesses, ectomycorrhizas, Betula pubescens, ectomycorrhizas, Betula pubescens, spreading, colonization, seedlings, Betula pendula 5568.

Lactarius trivialis, water sorption assays 1905. amylase biosynthesis, chickens crop isolates 1815. antibacterial activity, Streptococcus cremoris bacteriocins, role dairy starters 2311 al microflora, biochemical characteristics, identification, methodology cheese production, skim-milk, powder, milkfat 4460.
dental plaque, prophylaxis, sodium fluoride topical application, cancer patients. 6730 6/30. glucose isomerase, production, characterization 2618. oral administration, inhibition coliforms, intestinal microflora, growth, chickens 2751. Lactarius trivialis, water sorption assays 1905.

Lactate dehydrogenase, purification, kinetics, thermal stability, Thermus caldophilus 68. pyruvic acid reduction, kinetics, Phycomyces blakesleeanus 2620.

P-Lactate dehydrogenase, production, Lactobacillus confusus 31.

Lactate oxidase, purification, immobilization, lactic acid bioassays, Acetobacter peroxydans 3447. Lactate 2-monoxygenase, immobilization, use serum L-lactic acid analysis 7748.

Lactic acid. databilinisation, fillinibiliton, vacuum packaging, nitrogen packaging, vea packaging, organoleptic evaluation, vacuum packaging, nitrogen packaging, vea plasmids isolation methodology 4170. proteolytic enzymes characterization, role, milk products production, reviews 98 Saccharum officinals fermentation, ammonia effects on 2754. spoilage, vacuum packaging, nitrogen packaging, luncheon meat 8715. starter cultures, sausages 1900.

Lactobacilius acidophilus, amylaes biosynthesis, chickens crop isolates 1815. + antibiotics, oral administration, biotin nutrient availability, intestinal microflora, chickens 2750. biomass harvesting, use filtration, cell aggregation 6802. dairy starters, fatty acids, lpids, biosynthesis, fermentation, milk 7865. fermentation, silage 7013. ac-D-glucosidase, biosynthesis, physicochemical properties 98. inoculum, silage 7012. lactacin B. purification, characterization 4790. plasmids isolation methodology 4170. use, ice cream production 6198. Lactobacilius brevis, lermentation, vegetables, dialysis, continuous culture 2740. media (solation) detection, spoilage, beer 4414. Lactobacilius brevis, milk plasmids, silage 6200. Lactobacilius brevis, antibiotic resistance, plasmids isolation methodology 4170. antibiotic resistance, plasmids 2202. dairy starters, acid production, temperature tolerance 6187, antibiotic resistance, plasmids 2202. dairy starters, latin, acids, jinds, biosynthesis, fermentation milk 7865. dairy starters, jathy, acids, jinds, biosynthesis, fermentation 3716. dairy starters, judy, acids, jinds, biosynthesis, fermentation 3716. dairy starters, judy, acids, jinds, biosynthesis, fermentation 3716. dairy starters, judy, acids, jinds, biosynthesis, fermentation, milk 7865. dairy starters, judy, acids, jinds, biosynthesis, fermentation 3716. dairy starters, judy, acids, jinds, biosynthesis, fermentation 3716. dairy starters, judy, acids, jinds, biosynthesis, fermentation, milk 7865. dairy starters, judy, acids, jinds, biosynthesis, fermentation, milk 7865. dairy starters, ju packaging, organoleptic evaluation, vacuum packaging, nitrogen packaging, vac 5363. Lactic acid, nectic acid, bioassays, lactate oxidase, immobilization, Acetobacter peroxydans 3447 fermentation, immobilized cells, Lactobacillus delbrueckii, Lactobacillus bulgaricus 8. ferentation, kinetics, yield, Streptococcus faecium 6818. fermentation, microorganisms growth association, kinetics mathematical models 2530.

Lactobacillus cellobiosus, sugars fermentation, beans, juices, Glycine max 5316.

mailic acid, genes, Lactobacillus delibrueckii, cioning, Escherichia coli,
Saccharomyces cerevisiae, role, vine, fermentation 2681.

production, animal wastes mixed culture inoculum 10.

production, dairy starlers, Sireptococcus lactis, Streptococcus cremoris,
profeinase deficiency, temperature tolerance 2732.

production, glucose fermentation, reactors, Lactobacillus delibreuckii 864.

production, growth, measuring techniques, dairy products, Streptococcus cremoris production, glucose fermentation, reactors, Lactobacillus delbreuckii 864. 
production, growth, measuring techniques, dairy products, Streptococcus cremo 
7867. 
stereospecificity, enantiomers production, use 2-haloacid dehalogenase 8517. 
L-Lactic acid, servine, analysis, use lactate 2-monoxygenase immobilization 7748. 
Lactic acid bacteria, 
acid production, silage fermentation, Zea mays 7873. 
antagonism, intestinal microflora, colibacillosis prevention, chickens 1064. 
antagonism, Staphylococcus aureus disinfection, hospitals 3227. 
antibacterial activity, herbs 4723. 
antimicrobial activity, havorings 9143. 
+ Bacillus, Corynebacterium, retting, organoleptic evaluation, fermented food, 
cassava 3698. 
cocoa fermentation 5323. 
coffee fermentation 524. 
com meals fermentation, vitamins levels 5356. 
dairy starters, acid production, strains synergism, cheese 7866. 
dairy starters, acid production, strains synergism, cheese 7866. 
dairy starters, cost-benefit analysis 4464. 
dairy starters, conting methods, ATP assays, milk, yogurt 6996. 
dairy starters, fermentation, continuous culture, milk, yogurt production 6997. 
dairy starters, genetic engineering 3696. 
dairy starters, proteolytic enzymes 5346. 
dairy starters, proteolytic enzymes 5347. 
dairy starters, proteolytic enzymes 5346. 
dairy starters, proteolytic enzymes 5347. 
dairy starters, proteolytic enzymes 5346. 
dairy starters, proteolytic enzymes 5347. 
dementation, alcoholic bevernodology. Fermented milk products 1062. 
fermentation, alcoholic bevernodology. Fermented milk products 1062. 
fermentation, alcoholic bevernodology. Fermented milk products 1062. 
fermentation, meals, soybeans, com, effects on nutritive value, minerals 5355. 
fermentation, meals, soybeans, com, effects on nutritive va preparation 8575. tetrahydrofolate dehydrogenase inhibition, X-ray diffraction, mathematical mode 4323.
transformation, plasmid pLZ64, genes, 6-phospho-β-D-galactosidase, lactose metabolism 5345.
Lactobacillus casel subsp.alactosus, mutagenesis, nitrosoguanidine, genetic engineering, soybean milk flavor compo 3701.
Lactobacillus cellobiosus,
fermentation, Phaseolus vulgaris beans, mannitol biodegradation, Lactobacillus
plantarum 7003.
malic acid metabolism, silage 6200.
spoilage, vacuum packaging, films, oxygen permeability, mutton 5362.
sugars fermentation, juicies, beans, Glycine max 6980.
sugars fermentation, lactic acid, beans, juices, Glycine max 5316. termientation, production, emanth, assitic acid, acadum, 2,3-outylene gindon 5240.

fermentation, silage, animal wastes, use feeds, nutritive value, pigs 7019.

fermentation, silage, animal wastes, use feeds, nutritive value, pigs 7019.

fermentation, e-phytase, phosphorus release, corn 6977.

fermented food, olives 5331.

fermented filling products 4447.

four fermentation, sugars, gas chromatography, Uji, fermented food 3692.

food contamination, meat, meat products, reviews 209.

growth, physiology, 2,4-clichterophenoxyacetic acid effects on 6184.

dontrification methodology, sugars fermentation 4198.

inoculation, fermentation, silage, 2-a mays 7876.

inoculation, fermentation, silage, 2-a mays 7876.

inoculation, fermentation, silage, 2-base, and production, reviews 173.

Medicago sativa fermentation, wine production, reviews 173.

Medicago sativa fermentation, effects on 3723.

multiplication, ultrastructure, electron microscopy, grain contamination 2742. sugars fermentation, lucies, obsants, caytenes and sugars fermentation, lactic acid, beans, juices, Glycine max 5316.

Lactobacillus confusus,
D-lactate dehydrogenase production 31.

Lactobacillus cremoris,
dairy starters, continuous culture, milk fermentation, yogurt production 6997.

Lactobacillus delbreuckli,
glucose fermentation, lactic acid production, reactors 864.

Lactobacillus delbrueckli,
immobilized cells, lactic acid, fermentation 8.
malic acid, lactic acid, genes, cloning, Escherichia coli, Saccharomyces
cerevisiae, role, wine, termentation 2661.

Lactobacillus fructivorans,
enumeration, oranges juices frozen products 7850.

Lactobacillus helveticus,
aribibotic resistance, plasmids 2202.
dany starters, acid production, temperature tolerance 6187.
β-D-galactosidase, purification, characterization 6848.
plasmids isolation methodology 4170.

tobacilius helveticus var. jugurti, olysaccharides, purification, physicochemical properties, antitumor activity relationship 2630.

objesaccharides, purification, physicochemical properties, antitumor activity relationship 280.
tobacillus plantarum,
internation, cheese 3693.
mentation, juices proteins, Medicago sativa 3722.
mentation, nices proteins, Medicago sativa 3722.
mentation, nices proteins, Medicago sativa 3722.
mentation, silage 7013.
mentation, silage 7013.
mentation, silage 7012.
mentation proteins silage 27012.
mentation proteins silage 27012.
mentation proteins silage 27013.
mentation proteins silage 27013.
mentation requirements, chickens 7010.
mentation requirements, chickens requirements of mentation of ment

"thiocyanate, +Trydrogen peroxide, antibacterial activity, Streptococcus agalactiae, cystine, reduction, antisgonism 3058.

"totes, agalactiae, cystine, reduction, antisgonism 3058.

"totes, agalactiae, cystine, reduction, antisgonism 3058.

"fifects on dehydration resistance, Saccharomyces cerevisiae 1047.

"smentation, ethanol, bioreactors, Kluyveromyces fragilis 3590.

"smentation, imiting factors, daily starters, Streptococcus lactis 6994.

"smentation, imiting factors, daily starters, Streptococcus lactis 6994.

"smentation, imiting factors, daily starters, Streptococcus lactis 6994.

"smentation, plasmids curing, identification, media (culture), temperature effects on, Streptococcus lactis 67864.

"smentation, plasmids curing, identification, media (culture), temperature effects on, Streptococcus lactis characterization 1873.

"smentation, Streptococcus lactis, fermentation, milk 2739.

ydrodysis, 5-D-galactosidase immobilized enzymes, Aspergillus oryzae, skim milk, whey 206.

"ydrodysis, 5-D-galactosidase, use bioreactors, Aspergillus riiger 4314.

"ac gene, transformation, cloning vectors, Streptococcus lactis 6991.

"mitation, continuous culture, galactose utilization selection, Streptococcus lactis 6991.

"hetabolism genes, plasmid pLZ64, transformation, Lactobacillus casei 5345.

"estabolism, genes, Streptococcus sanguis, transformation, DNA, plasmids, Streptococcus lactis 6990.

"inik, hydrolysis, 6-D-galactosidase, immobilized enzymes, Escherichia coli 8542.

"as, Kluyveromyces fragilis ethanol fermentation, bioreactors 1869.

"inik, rementation, continuous culture, catabolise repression resistance mutants, Saccharomycos cerevisiae 1864.

"thura setiva, rementation, ethanol production, immobilized cells, Kluyveromyces marxianus, Saccharomyces cerevisiae 1864.

marxianus, Saccharomycos cure.

Tutca sativa,

Iremia lactucae downy mildew, disease resistance induction 308.

Iremia lactucae downy mildew, disease resistance inheritance, field trials 303.

Iremia lactucae downy mildew, virulence, geographical distribution, Australia

Bernia lactucae 3841.

remai actucae downy mildew, disease resistance inheritance, field trials 303. 
fermia lactucae downy mildew, virulence, geographical distribution, Australia 3835. 
3835. 
3835. 
sulfivars, disease resistance, downy mildew, Bremia lactucae 3841. 
sulfivars, Jeant breeding, disease resistance, downy mildew 8901. 
landelion yellow mosaic virus, physicochemical properties, transmission (mechanical) 2043. 
(mechanical) 2043. 
(mechanical) 2043. 
disease resistance breeding, Bremia lactucae downy mildew 295. 
lisease resistance breeding, Bremia lactucae downy mildew 295. 
lisease resistance genes, host-pathogen interactions, virulence genes, Bremia lactucae 2040. 

January 1988. 
January 1989. 

January 1989. 
January 1989. 

January 1989. 
January 1989. 
January 1989. 

January 1989. 

January 1989. 

January 1989. 
January 1989. 

January 1989. 

January 1989. 

January 1989. 

January 1989. 

January 1989. 

January 1989. 

January 1989.

Lagoons, (continued)
wastewater treatment, survival, coliforms, antibiotic resistance 1482.

Lakes, coliforms indicator species, identification, incidence, water temperature

coliforms indicator species, identification, incidence, water temperature relationship 557.
enterovirus levels, measuring techniques 7532.
eutrophic environments, aluminum sulfate treatment, role, removal, inactivation, fecal coliforms, Streptococcus 9252.
fecal coliforms, pollution monitoring 2398.
fecal coliforms, self-purification, pollution monitoring 569.
fresh water, starvation, survival, bacteria, soil isolates, clinical isolates 9224.

microbial pollution, bacteria, runoff, pollution monitoring, mathematical models 565

565.

Microbial pollution, enterovirus, rotavirus, Mexico 7526.

microbial pollution, enterovirus, rotavirus, Mexico 7526.

microbial pollution, enterovirus, rotavirus, Mexico 7526.

population density, Chironomus salinarius, Bacillus thuringiensis, biological control, efficacy 6084.

sediments, anaerobic bacteria isolates, aromatic compounds biodegradation, dehalogenation pathways 2701.

sediments, coliforms enumeration, most probable number methodology 9319.

sediments, historical ecology, Clostridium perfringens sporse, indicator species, historical ecology 2388.

sediments, nitrification, measuring techniques, nitrapyrin, allythiourea, nitrifying bacterna 6470.

suspended matter, association, enterovirus, microbial pollution 9255.

USA, microbial pollution, coliforms, pollution monitoring, indicator species, spatial distribution, seasonal variations 8419.

aminar air flow.

spatial distribution, seasonal variations 8419.

Laminar air flow,
nosocomial environments, infection prophylaxis, immunocompromised hosts 570.
nosocomial environments, infection prophylaxis, maignancy, children 576.
nosocomial environments, infection prophylaxis, mai 573.
nosocomial environments, man, leukemia 575.
nosocomial environments, man, leukemia, infection prophylaxis 577.
nosocomial environments, man, elukemia, infection prophylaxis 577.
nosocomial environments, microwave radiation, sterilization, food, man 574.
safety cabinets, spores, bacteria, aerosols, pathogens 9262.
Laminaran.

safety cabinets, spores, bacteria, aerosols, pathogens 9z62.

Laminaran, hydrolysis, chemical modification, Candida guilliermondii, Saccharomyces cerevisiae 932.

Laminaran, hydrolysis, chemical modification, Candida guilliermondii, Saccharomyces cerevisiae 932.

Land disposal, dentification, wastewater treatment, industrial effluents, munitions 2338. industrial wastes, sash, nutrient availability, biodegradation, soil microorganisms 8257. industrial wastes, soil and gas industry, waste treatment, soil microorganisms, biodegradation 2178.

Oil and gas industry sludges, biodegradation, soil microorganisms 4919. sewage, association, pollution, wastewater treatment 8400. sewage sludge, digestion (anaerobic), pastewater treatment 8400. sewage sludge, feed colionems reduction, calcium oxide 2375. sewage sludge, ped colionems reduction, calcium oxide 2375. sewage sludge, ped colionems reduction, calcium oxide 2375. sewage sludge, ped colionems reduction, reaction oxide 2375. sewage sludge, ped colionems reduction, reaction, reviews 2355. waste water, reviews, bibliographies 4910. wastewater treatment, public health, reviews, bibliographies 4911.

Land reclamation,
coal mines industrial wastes, soil amendment, revegetation, microorganisms, role

3955 gravel pits, vesicular-arbuscular mycorrhizas restoration, soil storage 1253. mines, soil, Pisolithus tinctorius, ectomycurrhizas, colonization, seedlings,

mines, soil, risolinus incurius, econycomas, solimicary, solimicar

waste disposal sites, mining, soil microorganisms 4676.

Landfills,
aromatic compounds digestion (anaerobic), reviews 7830.
industrial wastes, leachates, wastewater treatment, activated sludge 4084.
leachates, wastewater treatment, digestion (aerobic), lagoons 7516.
methaner recovery 9240.
waste disposal, leachates, public health, Mycobacterium, Streptococcus 3198.
waste treatment, bacteria, methanogenesis 1457.
Langermannia wahibergi,
burning, anesthesia, apiculture, Apis mellifera 4230.
Lankacidins,
side chains, chemical modification, antibacterial activity 3158.
Lanthanide.

Lanthanide, binding, caldolysin, Thermus aquaticus 7760.

Larix, ectomycorrhizas, Sphaerosporella brunnea 8162.
Larix decidua, callus culture, disease resistance, Phaeolus schweinitzii infection 2826.

Larus, feces, campylobacter isolation, media (isolation) 4205.

Larus ribibundus, feeding, Salmonella contamination sewage sludge, excretion relationship, serotyping 9245.

Larvae,
Aedes aegypti, biological control, pathogenicity, Metarhizium anisopliae 8630.
Aedes aegypti, Culex molestus, Bacillus thuringiensis toxicity, biological control 8647.

control 8647.

Aedes aegypti, mortality, density effects on, biological control, Bacillus thuringiensis subsp.berliner 4396.

Aedes aegypti, toxicity, Bacillus thuringiensis subsp.israelensis proteins crystals, solubilization methodology 1859.

Aedes, biological control, Leptolegnia chapmani 8640.

biological control, Bacillus thuringiensis, Bacillus sphaericus, toxicity, pollution effects, fresh water, Culex quinquefasciatus, Aedes aegypti 2658.

biological control, Culicinomyces clavisporus, dose-response effects, mortality. Anopheles hilli 2664.

biological control, Micrococcus pseudoflaccidifex pathogens, Lymantria dispar 5280.

5280. biological control, pathogenicity, phage typing, Bacillus sphaericus, Culex quinquefasciatus 2663. Culex pipiens, Anopheles stephensi, toxicity, α-endotoxin, spore crystals, Bacillus sphaericus 3572.

Lerves, (continued)

Culex pipens, biological control, Bacilius sphaericus, sporulation, relationship, toxicity 6089.

Culicidae, biological control, editional sphaericus, brainius sphaericus 6083.

Culicidae, biological control, spore crystais, Bacilius sphaericus 6917.

Culicidae, biological control, spore crystais, Bacilius sphaericus 6917.

digestive tract, Culicinomyces clavisporus infection, ultrastructure, nistopathology, biological control, Anopheles 2653.

Feliothis armigera, mortality, nuclear polyhedrosis virus, bioassays, use biological control 967.

Hypera postica, biological control, toxicity, bioassays, exotoxins, Bacillus thungiensis 8641.

Indarbeta quadrinottata, biological control, Beauveria bassiana 6081.

molting, inhibition, L-alanosine, growth regulators, Streptomyces, Leucania separata 7774.

mortality, Bacillius thuringiensis exotoxins. Achaea ianata, 1862.

separata 7774.
mortality, Bacillus thuringiensis exotoxins, Achaea janata 1852.
Modiprion sertifer, biological control, nuclear polyhedrosis virus 6933.
Spodoptera littoralis, biological control, pathogens effects on hemolymph amino acids, Bacillus thuringiensis 6912.
Spodoptera littoralis, Boarmia selenaria, biological control, use, Bacillus thuringiensis entile, predator-prey interactions, biological control effects on, Bacillus thuringiensis 6843.
Spodoptera littoralis, Boarmia selenaria, biological control effects on, Bacillus thuringiensis 6843.
Spodoptera littoralis predator-prey interactions, biological control effects on, Bacillus thuringiensis 6843.
Larvicity, epidide antibiotics, comparison Bacillus thuringiensis toxins, Aedes aeypti 2661.
Larvicitese, activity, Bacillus sphaericus media (culture), growth, sporulation 127.
Bacillus thuringiensis subsp.israelensis, Haematobia irritans, biological control 5209.
Culicidae, Streptosporangium albidum aculeximvcin, fermentation, isolation 2933.

Culicidae, Streptosporangium albidum aculeximycin, fermentation, isolation 2293 pathogens, biological control, Bacillus sphaericus, Bacillus thuringiensis, Toxorhynchites, Culicidae 1841.

Lasers.

Leaers, chemical analysis, fungi, methodology 4226. nephelometry, bacteriuria diagnosis, man 5040. Lealodiplodia, genicity 7162. Leatanox 720, effects on growth, soil microorganisms 8259. Late bilght, infectious diagnosis

Phytophthora infestans, disease control, fungicides, foliar applications, Solanum tuberosum 8915.
Phytophthora infestans, disease control, fungicides, Lycopersicon esculentum 1206.

Phytophthora infestans, disease control, metalaxyl, mancozeb, Solanum tuberosum 8926.

8826.

Phytophthora infestans, fungicides disease control, Solanum tuberosum 1214.
Phytophthora infestans, pathogenicity, ocspores production, induction, Phytophthora drechsteri, Solanum tuberosum 8034.
Phytophthora infestans, Solanum tuberosum, pathogenesis, ultrastructure 3837.
Solanum tuberosum, Phytophthora infestans, disease control, use, ofurace controlled-release granules 2887.

controlled-release granules 2887.

Latex, escicular-arbuscular mycorrhizas inoculation stimulation, Parthenium argentatum 5822.

Latex egglutination, artigen Qualification, September 2012.

Latex egglutination, artigen Qualification, Index of the Control of the

Laudanosine, biodegradation, oxidation, Pseudomonas putida 2715.

Duodej audicut; valenti coli, Staphylococcus aureus, methodology 5859. Lauricidin, bacteria enumeration, hospitals 3226. Lauricidin,

Lauricidin, antibacterial activity, Tween 20, Tween 80, neutralization 7356. 
Lauryi pyridinlum lodide, adsorption, Escherichia coli, bacteriostasis 2218. 
Laechatea, activated sludge, humic acid biodegradation, γ radiation treatment 1489. 
landfills, wastewater treatment, digestion (aerobic), lagoons 7516. 
wastewater treatment, diudstrial wastes, land disposal 4920.

wastewaler treatment, industrial wastes, land disposal 4920.

Leaching,
biosccumulation, metals, reviews, microorganisms 5692,
cobaltous suifide, inorilly role, Thiobacillus ferrooxidans 9030.
copper, industrial wastes. Thiobacillus ferrooxidans, Leptospirillum
lerrooxidans, Sulfobacillus thermosulfdooxidans, 1903,
effects on soil microorganisms decomposition, straw, Hordeum vulgare 2942.
metals, biotechnology, microorganisms 6393.
Minerals, use, microorganisms, methodology, reviewe 8263.
mining, iron(III) oxidation, pyrtle, iron-oxidizing bacteria 5689.
sulfur, coal, Thiobacillus 9976.
sulfur, coal, Thiobacillus (errooxidans) 3974.
use, microorganisms, reviews, books 5093.
Lead,

inhibition, ectomycorrhizas, roots colonization, Picea sitchensis 8168.

Lead, (continued) sensitivity, soil microorganisms 1261. Leaf blight,

sat blight, Alternaria alternata, Dautura innoxia, tenuazonic acid isolation, association, characterization 5394. Alternaria carthami, Carthamus tinctorius, factors affecting 5449. Alternaria carthanae, disease resistance, plant breeding, Carthamus tinctorius

6296

6296.
Alternaria solani, Streptomyces griseus Interaction, Capsicum annuum 2007.
Asplenium nidus, etiology, Pseudomonas gladioli 4563.
Cochilobolus heterostrophus, Abl gene, Cyhl gene, mat gene, relationship, epidemics, Zea mays 3805.
Cochilobolus heterostrophus, population studies, auxotrophs, Zea mays 1981.
Corynespora cassicola, India, Carica papaya 6254.
Pseudomonas viridiflava, Lycopersicon esculentum, etiology 4561.
Xanthomonas campestris var.oryzae, disease resistance, mutagenesis, Oryza sa

5475 Leaf blotch.

Alternaria alternata, Aspergillus variecolor biological control, Hordeum vulgare

2083.

Hordeum vulgare, triadimenol sensitivity, Rhynchosporium secalis 5530.

Rhynchosporium secalis, barley yeilow dwart virus effects on disease resistance Hordeum vulgare 1196.

Septona tritici, pathogenesis, Triticum germplasm analysis 257.

Septona tritici, Triticum aestivum, disease control, use, antitranspirants 291.

Leaf characters, Vigna unguicultata, relationship, nitrogen fixation, genotypes screening association 9000.

Leaf fall. Pseudomonas syringae pv.berberidis etiology, Berberis, British Isles 8873. Leaf litter,

beat ritler, bacteria, algae, levels, activity, phenamiphos, oxamyl, effects on 9025. colonization, decomposition, interspecific relationships, invertebrata, forest floor 7222. composition, bacteria, reservoirs, pollution effects, mines acids drainage 4429.

decomposition, forests, Canada 8933. decomposition, nutrient cycles, soil microorganisms, plantations, Coffea arabica 5624.

5b24. fungi biodegradation, pesticides effects on 2097. nitrogen fixation, Azotobacter, Azospirillum, Saccharum officinale 6353. Picea strchensis, decomposition, Mycena galopus, Marasmius androsaceus, competition, Orrychiurus latus grazing effects on 8940. Leaf rot

Limonium sinuatum, etiology, Pseudomonas caryophylli 4560.

Leaf rust,

sef rust,
Coffea, disease control, Hemelia vastatrix, cuprous oxide, cupric hydroxide 812 disease resistance, Triticum aestivum, genetic control 2054.
fungl, effects on yield, disease resistance, genotypes, Triticum aestivum 8098.
Hemileia vastatrix, disease resistance characterization, Coffea canephora 305.
Hemileia vastatrix, disease resistance characterization, Coffea 305.
Hemileia vastatrix, disease resistance variation, Coffea arabica 304.
Hemileia vastatrix, genetica disease resistance variation, coffea arabica, disease resistance, plant breeding, Coffea arabica, Coffea

interactions, disease resistance, plant breeding, Coffea arabica, Coffea canephora 2872.

Melampsora larici-populina, antagonism, Cladosporium, hybrids, Populus 361.

Melampsora medusae, Populus, disease resistance 2107.

Puccinia coronata, Lolium, disease resistance, cutifivars 3874.

Puccinia hordei, disease resistance breeding, Hordeum vulgare 301.

Puccinia recondita, disease control, seed treatments, fungicides, triticum acettion. 2011.

aestivum 2904

aestivum 2904.

Puccinia recondita, pathology, Triticum aestivum 7961.

Puccinia recondita Iso, tritic, disease resistance, Lr 13 gene, genetic control, Triticum aestivum 8069.

Puccinia recondita Iso, tritici, disease resistance, Puccinia helianthi induction, Triticum aestivum 293.

Puccinia recondita Iso, tritici, Puccinia recondita Iso, secalis disease resistance, inheritance, plant breeding, Secale cereale 8907.

Puccinia recondita Iso, tritici, urediniospores, disease transmission, brome mosaic virus, Triticum aestivum 2789.

Puccinia recondita, Triticum aestivum 789.

Puccinia recondita, Triticum aestivum 1789.

Puccinia recondita, Triticum aestivum 2789.

Puccinia recondita, Triticum aestivum 2789.

Vicia faba, pathogenesis, Uromyces viciae-fabae urediniospores, nutrient requirements 5408.

Leef acald,

Rhynchosporium oryzae, Oryza sativa, disease resistance 5504.

Rhynchosporium oryzae, Oryza sativa, disease resistance 5504. Leaf spot,

Asplenium nidus, etiology, Pseudomonas gladioli 4563. Leaf streak, Mycosphaerella fijiensis, disease resistance, plant breeding, Plantago major

8077 Leaf-roll,

effects on yield, Vitis vinifera clones 8859. Rhizobium, Cajanus cajan 6232.

Leafspot,

Alternaria alternata, Cassia angustifolia, Cassia acutifolia, new records, India 2040 Alternaria alternata, Catharanthus roseus 8049

Alternaria panax, Brassaia actinophylla, Dizygotheca elegantissima, Tupidanth calyptratus 5450.

Alternaria scorzonerae, pathology, Scorzonera hispanica 8018. Arachis hypogaea, disease control, Cercospora arachidicola, Cercosporidium personatum 3793.

personatum 3/93.
Aulographina eucalypti, Eucalyptus 5612.
Bipolaris sorokiniana, Triticum aestivum, disease resistance 5492.
Carthamus tinctorius, Alternaria carthami, Alternaria alternata, pathology 1144
Cercospora arachidicola, Arachis, disease resistance 5491.
Cercospora arachidicola, Cercosporidium personatum, effects on, Arachis hypoyeld 7934.

Cercospora arachidicola, pathogenesis, effects on growth, Arachis hypogaea c Cercospora canescens, pathogenesis, Phaseolus mungo, planting density, tim effects on 7929.

Cercospora sojina, Glycine max, disease resistance genes, Rcs gene 1172. Cercosporidium personatum, pathogenesis, effects on growth, Arachis hypoge Coccomyces hiemalis, Prunus, disease control, fungicides, new records 339.

2841.

spot, (continued)

spot, (continued)

spot, (continued)

siletotrichum, Dioscorea alata, factors affecting yield 4588.

echslera austratiensis, symptoms, Musa sapeintum, Egypt, new records 8002.

echslera sorokiniana, Poa pratensis, herbicides soii applications effects on 3603.

chhomia crassipes 8818.

asagnus angustfolia, Septoria elaeagni, epidemiology, etiology 7989.

searohilum rostratum, Chrysalidocarpus lutescens, foliar applications, micronutrients, fungicides, effects on 3910.

sartum fusarioides, Punica granatum, new records 2004.

elianthus anuus, Diaporthe helianthii infection, USA, Texas 3839.

elianthus tuberosus, Pseudomonas syringae pv.tagetis infection 3849.

elianthus fundina carbonum, genotypes, Zea mays, effects on, fitness 7971.

eliminthosporium, Drechslera, incidence, cultivars mixed culture, Hordeum vulgare 2841.

2841, 
ajaothyridium maydis sp.nov., Zea mays 7983. 
ptosphaerulina briosiaria, amedicago sativa, disease resistance, screening 8087. 
acrophoma zeae, Hungary, Zea mays 7969. 
arasmiellus, Zea mays, Mexico 8794. 
yoosphaerella juglandis sp.nov, Juglans nigra 7163. 
yoosphaerella sentina, disease resistance, Pyrus amygdaliformis, Pyrus communis 8080.

3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.
3680.

ther, odegradation, bacteria, proteolytic enzymes activity 8693. Ingi, bacteria, biodeterioration, museums, Kuwait 1024. Inning, proteolytic enzymes, bacteria, fungi 48.

bies alba, biodegradation, microorganisms 181.

cremonium zonatum penetration, host-pathogen interactions, biological control, Eichhomia crassipes 8827.

Eichhomia crassipes 8827.

Be, effects on, Uromyces phaseoii infection, appressoria formation, plants 1964. Italia mosaic virus lesions, Phaseoilus vulgaris, Vigna sinensis, Nicoliana tabacum 887.

Kaloids, antifungal activity, Solanum aviculare 8307.

Kaloids, antifungal pricoccum nigrum, Cladosporium cladosporioides, aquatic environment 184.

Inus, Tetrachaetum elegans biodegradation, pectinolytic enzymes activity, calcium concentration effects on 1002.

Itemarata brassiciotal infection, cytokinins secretion, pathogenesis, Brassica 8028.

8028. mpelopteris prolifera, extracts, antiviral activity, tobacco mosaic virus, cucumber mosaic virus 8333. rachis hypogaea, phenotic acids levels association rust 8771. romatic compounds storage cells, antifungal activity, Cercospora rodmanii, Acremonium zonatum, role disease resistance, Eichhornia crassipes 8813. aladium hortulanum, mycoplasma-like organisms infection, electron microscopy 1163

1163. apsiscum annuum, peroxidase activity, Phytophthora capsici disease resistance 2844. 2844. Bit walls, Nicotiana tabacum, Pseudomonas solanacearum celi adhesion 6282. Bit walls, Nicotiana tabacum, Pseudomonas solanacearum celi adhesion 6282. Bit walls, Nicotiana tabacum, Pseudomonas solanacearum celi adhesion 6282.

all wails, Nicotiana tabacum, Pseudomonas solanacearum cell adhesion 6282. 
alls, ultrastructure, Glycine max, plant diseases, cowpea middle mottle virus 4505. 
Horrosis, Poa pratensis, ethylene induction, leafspot 8797. 
docs nuclera, detection, cadang-cadang disease viroid 3824. 
Journal of the construction of the construc

Leaves, (continued)
Malus pumila, distribition, tomato ringspot virus 7994.
Melaleuca leucadendron, plant extracts, volatiles, antifungal activity,
Rhizoctonia solani 9107.
Nicotiana tabacum, mycoffora, isolation, aflatoxins biosynthesis, Iraq 7089.
Nicotiana tabacum, storage conditions effects on Aspergillus flavus aflatoxins biosynthesis 7000.

hiosynthesis 7992.

biosynthesis 7992.

charter and paper in particular paper in paper

Oryza sativa, electron microscopy, Xanthomonas campestris pv. oryzae, growth, penetration 6243.

Oryza sativa, Rhynchosporium oryzae infection, histopathology 8793.

Pirus, chemical composition, association, Fomes annosus root rol 2116.

Pirus, fungi, decomposition, saprophagy, food preferences, Porcellio scaber 2912.

Protomyces macrosporus, galls, biological control, Torilis japonica 8029.

Pseudomonas sylingae pv.morsprunorum, infection, scanning electron microscopy.

Prunus 2801.

Prunus 2801.

Pseudotsuga menziesii, dehydration, retention, harvesting, Phaeocryptopus gaeumannii needlecast effects on 3911.

Psidium, in situ effects on Azotobacter 4643.

resins, Hymenaea, Copaifera, antifungal activity, Pestalotia subcuttcularis 5506.

RNA, DNA, tovels, Pyricularia oryzae, blast, Oryza sativa 7978.

ryegrass mosaic virus infection, inhibitors isolation, Lolium perenne 1984.

soil microorganisms, decomposition. Eperua falcata 2917.

Sophora japonica, phytoalexins production, Helminthosporium carbonum inoculation

1131.
sucrose content, Phaseolus vulgaris, relationship, disease resistance, tobacco mosaic virus infection 8886.
symbionts, bacteria, actinomycetes, ectomycorrhizas, Tozzia alpina 8204.
tissues, variability, inclusion bodies, potyvirus 8825.
Triticum ascitivum secilings, Fusarium roseum inoculation, pathogenicity 7151.
Triticum X Socale careale, stomata size distribution, Puccinia recondita nust

Trincum x Secare cereare, scomata size distribution, Procurriar recordina rust incidence 7955.
Vigna unguiculata, amino acid composition, Myrothecium roridum infection 1977.
Vigna unguiculata, hypersensitive response, Xanthomonas campestris pv.oryzae 6230.

Vigna unguiculata, plant viruses infection, RNA replication, actinomycin D sensitivity 7931.

Lebanon,
Cucumis sativus, plant diseases, zucchini yellow mosaic virus 4544.

Leccinum, spore germination, organic acids production, agar, association, autoclaves, effects on 5934.

effects on 5934.

Lectine,
agglutination, slides, identification Staphylococcus 700.
binding, actinorrhizas, Frankia, plants 4602.
binding, capsules polysaccharides, Rhizoblum leguminosarum var.trifolii 6368.
germ tubes, Puccinia grammins fs.p.tritici, races, host-pathogen interactions,
rust, Triticum aestivum 8092.
Glycine max, agglutination, Bradyrhizobium japonicum 3953.
identification methodology, Bacillus arithracis 2491.
role, Rhizobium leguminosarum, Bradyrhizobium japonicum, host plants Lotononis
bainessi, root hairs symbiosis 6382.
sildes agglutination, Neisseriacoae identification methodology 5042.
spore germination, Tilletia caries, Puccinia graminis, Aspergillus flavus,
effects on 3877.
use, Neisseria genorrhoeae identification methodology 5046.
Leghemoglobin,

use, Neisseria gonormoeae identification methodology 5046. Eghemoglobin, genes, genetic analysis, Rhizobium, nitrogen fixation, nodules, Leguminosae 2978. Medicago sativa, nitrogen fixation, nodulation, biomass 2961. Legionella, antibacterial activity, quinolones 5729. antibotic RU 28965, antibacterial activity 4878. antibotic sensitivity testing, disc-difficion test, methodology 7418. clinical isolates, identification, fluorescent antibody test, comparison, slides

clinical isolates, identification, fluorescent antibody test, comparison, slides aggiuthation 3301. 
detection, isolation, agar+antisera methodology 1620. 
epidemiology, water-borne diseases, buildings 4933. 
identification, aniline blue, media (culture) 715. 
infection, immunodiagnosis, immunoassays, man 9291. 
isolation, drinking water, chlorination association 9256. 
membrane proteins, outer membranes, cell walls, purification, characterization 2561.

unsaturated fatty acids, structure detection, methodology 9308.

antibacterial activity, ciprofloxacin, norfloxacin 5726.

Legionella bozemanil,
antigenemia diagnosis, agglutination methodology, Legionnaire's disease, man
1587.

distriction, isolation, agar+antisera methodology 1620.

Legionella dumoffil,
antibacterial activity, ciprofloxacin, norfloxacin 5726.
antigenemia diagnosis, agglutination methodology, Legionnaire's disease, man 1587. degición, isolation, agar+antisera methodology 1620.

Legionella gormanii,
antibacterial activity, ciprofloxacin, norfloxacin 5726.
antigenemi diagnosis, aggiutination methodology, Legionnaire's disease, man 152 disease.

1597. detection, isolation, agar+antisera methodology 1620. Legionella longbeachae, antibacterial activity, ciprofloxacin, norfloxacin 5726. Legionella micdadel, application methodology 10.

antigenemia diagnosis, agglutination methodology, Legionnaire's disease, man 1587.

1587. detection, isolation, agar+antisera methodology 1620. Pittsburgh pneumonia agent, disease transmission, water supplies, hospitals 5854. Legionella pneumophila, antibacterial activity, ciprofloxacin, norfloxacin 5726. antibiotic sensitivity testing, intracellular killing, macrophages, guinea-pigs 6506. 6506 antibodies, counter immunoelectrophoresis, immunodiagnosis, Legionnaire's disease

antibodies detection, immunofluorescence, solid phase methods 1656. antibodies, kinetics dependent enzyme-linked immunosorbent assay detection 2512.

Lemna minor, (continued) Legionella pneumophila, (continued) antigenemia diagnosis, agglutination methodology, Legionnaire's disease, man 1587. structure-activity relationships 1949. post-harvest decay, Penicillium, disease control 1167. antigens, use, indirect fluorescent antibody test, heat treatments, comparison, emyers, use, increase morescent antibody test, heat treatments, comparison, formain 792, chlorine susceptibility, drinking water 1327, contamination, cooling towers, 1-bromo-3-chloro-5,5-dimethylhydantoin chemical control 7531. herbicides, nitrification, soil 9026. herbicides, ntrification, soil 9026-.

Lens cullinarfis, applithins, +agarose immobilization, use, preparation, pseudorabies virus vaccines, pigs 3182-.

powdery mildew, Erysiphe pisi, pathology, insecticides, acaricides, antifungal activity 8917-.

Pseudomonas striata seed treatments, phosphate fertilizer applications efficience 46000. contamination, cooling towers, 1-bromo-3-chloro-5,5-dimethylhydantoin chemical Lontrol 7531.

contamination, water supply, role, epidemiology, nosocomial infection, Legionnaire's disease, USA, Pennsylvania, man 7528.

cooling towers, ozone bactericidal activity 5851.

culture methodology, drinking water isolates, hospitals 789.

demonstration, waxes, hexamine silver use 3289.

detection, isolation, agar+antisera methodology 1820.

erythromycin, ampicillin, bactericidal activity, characterization 7451.

geographical distribution, seasonal variations, cooling towers, USA 4130.

identification, peroxidase+ catalase test 5039.

identification, peroxidase+ catalase test 5039.

isolation, media (selective), drinking water 785.

isolation, methodology, heat treatments 3333.

isolation methodology, media (culture), guinea-pigs injection, water supplies contamination 4211.

isolation, water supplies, hospitals 1498.

Legionnaire's disease, diagnosis, latex agglutination, man 7622.

Legionnaire's disease, diagnosis, latex agglutination, man 7622.

Legionnaire's disease, disease transmission, water supplies, hospitals 5854.

Legionnaire's disease, water-borne diseases, water supplies, hospitals 5854.

Legionnaire's disease, water-borne diseases, water supplies, hospitals, man 9251.

Legionnaire's disease, water-borne diseases, water supplies, solation, methodology 2485.

media (selective), sputum, diagnosis, Legionnaire's disease as 336.

media (selective), sputum, diagnosis, Legionnaire's disease, ana 4949. 4620 Lens esculenta, nodulation, soil amendment, calcium oxide, calcium sulfate effects on, Rhizobiui 9015 soil pH effects on, Rhizobium leguminosarum, nodulation, nitrogen fixation 407.

Lentinus edodes,
culture, fruit bodies production 8695.
fruit bodies production, inoculation, wood 7846.
fruit bodies, nbonuclease, purification, characterization 1764.
media (culture), nutrient requirements 823. Lentinus lepideus, biological control, Trichoderma volatiles 7245. Lepidium sativum, eeds, Pythium ultimum damping-off, biological control, Pythium oligandrum 974 seeds, Pythium ultimum damping-oft, hological control, Pythium oligandrum 974
Leprosy,
drug resistance, dapsone, man, reviews 3023.
Mycobacterium antibodies, detection, enzyme-linked immunosorbent assay 505
Mycobacterium leprae, detection, florescent antibody test, microscopy 5904.
Mycobacterium leprae viability, ATP bioassays, man 7584.
Leptinotras decemilneata,
biological control, 8-exotoxin, Bacillius thuringiensis 125.
biological control beauveria bassiana, host plants effects on susceptibility
2651.
biological control pathogens. Beauveria bassiana spores survival, fundicides plasmids, epidemiology, water supplies, Legionnaire's disease, man serotyping, use, monoclonal antibodies, hybridoma production 2518. water supplies, aerosols, disease transmission, epidemiology 3214. water supplies, legionellosis, epidemiology, Sweden 3216. biological control, pathogens, Beauveria bassiana spores survival, fungicides effects on 2647. effects on 2647.
pupae, pest control, inoculum survival, soil, Beauveria bassiana 5213.
Leptoconops,
biological control, Bacillus thuringiensis 3573.
Leptolegria chapmanil,
taxonomy, biological control, larvae, Aedes 8640.
Leptosphaeria coniothyrium,
canker, Rubus, USA, Ohio 8846.
Leptosphaeria korrae,
Fusarium blight, Poa pratensis, association 5418.
Leptosphaeria maculans,
spathogenicity, Brassica 1972.
stem canker, post-pathogen interactions, cultivars. Brassica napus 804. Legionellois, epidemiology, water supplies, hospitals, British Isles, man 3215.
Legionella pneumophila, water supplies, epidemiology, Sweden 3216.
Legionella presumophila, water supplies, epidemiology, Sweden 3216.
Legionella presumophila, media (selective), aputum 336.
diagnosis, later agglutination, man 7622.
diagnosis, later agglutination, methodology, man 4203.
Legionella pneumophila, media (selective), sputum 336.
diagnosis, media (solation) methodology, man 4203.
Legionellogy, environmental studies, water supplies, hospitals, man 9251.
gpidemiology, water supplies, hospitals, British Isles, man 3215.
Limmunodiagnosis, counter immunoelectrophoresis, Legionella pneumophila antibodies 2478. s partitiogenicity, ordassica 1972. stem carker, post-pathogen interactions, cultivars, Brassica napus 8040. Leptosphaerulina briostana, leafspot, Medicago sativa, disease resistance, screening 8087. Leptosphaerulina trifolil, spot, Trifolium repens 8781. 2478 2478.
Legionella pneumophila plasmids, epidemiology, water supplies, man 4949.
Legionella pneumophila, water supplies, epidemiology, Sweden 3216.
noscoomial infection, epidemiology, role, Legionella pneumophila, contamin
water supply, USA, Pennsylvania, man 7528.
water-borne diseases, water supplies, Italy 4940.
Legislation,
disease control, Erwinia amylovora fire blight, Pyrus communis 5463.
occupational exposure, industries, safety regulations, enzymes 45. spot, Trifolium repens 8781.

\*\*ptospira, agglutination, diagnosis, leptospirosis 729.

\*\*antibiotic sensitivity testing 1373.

cryopreservation, nitrogen (liquid) 9289.

\*\*leptospirosis, diagnosis, enzyme immunoassay 8477.

media (culture), polysorbate detoxification 9321.

microscopy, use, avidin biotinylated horseradish peroxidase complex 3283.

tissue culture, localization, immunoperoxidase test 4181.

\*\*vaccines.\*\* immunogenicity, pigs 4893. occupational exposure, industries, safety regulations, enzymes 43.

Legumas,
nodulation, Phizobium, nitrogen fixation, media (culture), reviews 4657.

Leguminose,
bacteria, nitrogen fixation, interspecific relationships, books 5094.
crops, endomycornizas, india 7251.
foliar diseases, phytopathogenic fungi 6237.
host specificity, Phizobium 9004.
indigenous species, introduced species, nitrogen fixation, rangelands soil 7271.
inoculum production, Rhizobium 6389.
leghemoglobin, nodulin, genes, genetic analysis, nitrogen fixation, Rhizobium 2378.
nitrogen fixation, genetic analysis, symbiosis, Rhizobium 9006. tissue culture, localization, immunoperox vaccines, immunogeniotri, pigs 4893. Laptospira interrogans ser.autumnalis, antibiotic sensitivity testing 1373. Leptospira interrogans ser.canicola, antibiotic sensitivity testing 1373. Leptospira pomona, cryopreservation, nitrogen (liquid) 1615. Leptospirillium terroxidans, copper leaching, industrial wastes 7301. Leptospirillium terroxidans, nitrogen fixation, genetic analysis, symbiosis, Rhizobium 9006. nitrogen fixation, Rhizobium, genetic resources, gene pools, research programs 2965. Leptospirosis, diagnosis, aggiutination, Leptospira 729 diagnosis, enzyme immunoassay 8477. Lesions,

2965.

introgen fixation, symbiosis, interaction, Rhizobium 9007.

nitrogen fixation, symbiosis, Rhizobium 9005.

nodulation, nitrogen fixation, fast-growing Rhizobium, nif gene, nod gene, gene mapping gene transfer, linkage, reviews 2966.

nodulation, nitrogen yield, Rhizobium inoculation, Colombia soil types 2158.

nodulation, Rhizobium, nitrogen fixation, soil moisture, salinity effects on

nodulation, Rhizobium, roots infection, vesicular-arbuscular mycorrhizas, Malaysia 8164.

nodulation, roots infection, Rhizobium, genetic analysis, nutrient flow 2974, nodules, oxygen diffusion, acetylene inhibition, nitrogenase activity, Rhizobium 8252 nodules, Rhizobium bacteroids, metabolism, carbohydrates, organic acids, review

2975

2975.
nodulas, Rhizobium bacteroids plasma membranes, role nitrogen fixation 2976.
nodulas, Rhizobium, ureides biosynthesis pathways 2971.
nodulas, roots, respiration, nitrogen fixation, Rhizobium 2957.
plant viruses, enzyme-linked immunosorbent assay detection 7927.
plant viruses infection 6239.
plant viruses infection 6239.
plant viruses infection 6239.
plant viruses infection 6230.

plant viruses infection, effects on Entizopium nodulation, introgen-invalidit, reviews 8780.

Rhizobium inculation, biotechnology 6377.

Rhizobium, nitrogen fixation, nitrogen-15 measurements 7270.

Rhizobium symbiosis, reviews, books 845.

roots infection, Rhizobium, role extracellular polysaccharides, oligosaccharides

symbiosis, Rhizobium, equipment, association, nodulation, nitrogen fixation 2955

vectors, brome mosaic virus infection, Commelina diffusa, Commelina communis 284 Lemna minor, phostosynthetic apparatus, orellanine toxicity, Cortinarius speciosissimus,

Leucania separata, larvae, molting, inhibition, L-alanosine, growth regulators, Streptomyces 7774. Leucanicidin, Streptomyces halstedii, structure 9217. L-Leucine,

yield, inoculation, vesicular-arbuscular mycorrhizas, Glomus fasciculatus, ±

4998.

Lettuce necrotic yellows virus, infection, Cicer arientinum, etiology, symptoms, epidemiology 4502.

Leucaena leucocephala, fermentation, molasses, effects on 3724. nodulation, Rhizobium strains competition, tropical environment soil 7267. Rhizobium inoculation, nodulation 6373.

Datura stramonium leaves, potato virus X+mixed infection tobacco mosaic viru leaves, Phaseolus vulgaris, hydrogen fluoride effects on, Xanthomonas campes var.phaseoli 7133. Phytophthora cinnamomi stems, development, Phytophthora cinnamomi infectik

Phytophthora cinnamomi stems, development, Phytophthora cinnamomi stems, photom 3842, stems, Pinus elliotiti var.elliotiti seedlings, fusiform rust, Cronartium quercuum 1.sp fusiforme 7234.

Lespedeza striata, disease reservoiris, nost alternation, rust, Phakopsora pachyrhizi 7940.

Letruce mosaic virus, monocional antibodies production, use radioimmunoassay, diagnosis, plant disease neservoiris.

overproduction, mutants, transformation, Brevibacterium lactofermentum 5116. production, Bacillus sphaericus leucine dehydrogenase+Candida boidinii forme dehydrogenase, membranes reactors 3.

Sucline dehydrogenase,
Bacillus sphaericus, +Candida boldinli formate dehydrogenase, L-leucine production, membranes reactors 3.

substrate specificity, kinetics, pyridoxal 5'-phosphate inactivation, Bacillus sphaericus 5149.

subcinostatin,
saparation, characterization, Paecilomycos Iliacinus 3144.

structure, Paecilomycos Iliacinus 3145.

suconostoc,
antibacterial activity, Streptococcus cremoris bacteriocins, role dairy starters: 2311.

artibacterial activity, Streptococcus cremoris bacteriocins, role dairy starters 2311.

dairy starters, phages contamination, reviews 210.

dextrans, biosynthesis, industrial applications, reviews 8617.

malic acid metabolism, silage 6200.

proteolytic enzymes characterization, role, milk products production, reviews 96.

Auconostoc cremoria,
dairy starters, aroma compounds production, mutagenesis, U.V. radiation,
N-nitrose-N-methyl-N-nitroguanidine 1906.

Auconostoc leads,
fermentation, cheese 3693.

Auconostoc mesenteroides,
anaerobic conditions, glycolysis, aeration effects on 854.
dextransubrose desta,
succonastoc mesenteroides,
anaerobic conditions, glycolysis, aeration effects on 854.
dextransucrase, activation, association, dextran 5993.
dextransucrase biosynthesis 1914.
dextransucrase biosynthesis 1914.
dextransucrase biosynthesis 5975.
enumeration, oranges juices froze products 7850.
mutants, dextransucrase purification, use dextransus, immobilized enzymes 5147.
use, production, whey+sucrose liquid culture 8474.

auconostoc cerose,
effects on viability, freeze-drying, malolactic
cation of the control of t

coli 3627

coli 3627.

makolacitic fermentation activity purification, affinity chromatography 8600, makolacitic fermentation, musts, organoleptic evaluation, wine 2692.

makolacitic fermentation, 2.3-butanedinoe levels, wine 2693.

starter cultures, drying, storage, viability, makolacitic fermentation, wine 7816.

succeporidium,

amylolytic enzymes production 8546.

suksmila,

cells, T cell leukemia virus provinuses, DNA hybridization analysis 5884.

man, asepeis, laminar air flow, nosocomial environments 572.

man, laminar air flow, nosocomial environments 577.

man, laminar air flow, nosocomial environments, infection prophylaxis 577.

man, laminar air flow, nosocomial environments, infection prophylaxis 577.

man, laminar air flow, nosocomial environments, infection prophylaxis 577.

man, laminar air flow, nosocomial environments, infection prophylaxis 577.

man, laminar air flow, nosocomial environments, infection prophylaxis 5.77.

aukiocytes,
esterase activity, detection, bacteriuria 731.
phagocytosis, Staphylococcus aureus killing, ansamycin antibacterial activity
relationship 229phagocytosis, Staphylococcus aureus, rifamycin interaction 7450.

aukocytes (neutrophillo),
chemotachic factors, purification, characterization, Streptococcus sanguis 2556.

aukocytes (polymorphonuclean),
artibiotics penetration, artibiacterial activity, man 492.
phagocytosis, Staphylococcus, fibronectin interactions, clindamycin effects on

automatin.

supeptin, inhibition, retrovirus infection, fibroblasts 469.

ovan, production, Bacillus 4365.

biosynthesis, nitrogen sources, Bacillus 7764.

powdery mildew, incidence, Lycopersicon esculentum, Cyamopsis tetragonoloba, Nicobana trigonophylla, Caesalpinia gilliesii, USA, Arizona 8035.

Nicotiana trigonophylla, Caesalpinia giillesii, USA, Anzona 8035.

zivorin,
biosynthesiis, Streptomyces levoris, association, Candida tropicalis stimulants
activity 2318.

Lichenase,
purification, characterization, Bacillus subtilis 6855.

Lichena,
polysaccharides, books 3383.

Lidaprim,
antibacterial activity comparison, cotrimoxazole 8299.

Agaricus bisporus, lignocelluloses biodegradation 1879.
Cryptostroma corticale, strains compatibility, sooty bark, Acer pseudoplantus 8190. Puccinia chondrillina, biological control, Chondrilla juncea weed control, USA,

Washington 6074.

Puccinia japonica, rust, Anemone flaccida 8011.

spore germination, conidia, Penicillium daleae, Penicillium bilaii, soil 8959.

ght,

direct, Erysiphe pisi conidia spore germination, germ tubes formation relationship 2774.

relationship 2774.

effects on Aspergillus aflatoxins biosynthesis, in vitro 7071.

effects on effyyene biosynthesis, hypersensitive response, tobacco mosaic virus,
Nicotana tabacum 2061.

effects on nutrient uptake, vesicular-arbuscular mycorrhizas, inoculum density,
Trifolium repens 2614.

effects on Populus disease resistance, Melampsora medusae infection 360.

inhibition Bradyntizobium japonicum nodulation, cotyledons, Glycine max 8248.

packaging, effects on bacteria growth, spoilage 4465.

pseudorabies virus photoinactivation 468.

pseudorabies virus photoinactivation 468.

esistication 1886.

esistication, trossin like enzymes, streptomyces diseus, use electronic

intection 8886.
sensitization, trypsin like enzymes, streptomyces giseus, use electronic equipment 66.
Joht Intensity, arabis mosalc virus, pathogenesis, Cucumis sativa 2009, arabis mosalc virus, pathogenesis, Cucumis sativa 2009, effects on Corynebacterium sepedonicum, ring rot, Solanum tuberosum 7996. effects on Glomus macrocarpus infection, Eupatorium odoratum, Capsicum annuum effects on Glomus macrocarpus infection, Eupatorium odoratum, Capsicum annuum

Light intensity, (continued)

8975.
effects on hydrogen gas production, Rhodopseudomonas capsulata 5219.
effects on sporulation, teliospores, uredinuspores, infection, Cronartium
flaccidum, Vincetoxicum officinale 3927.
Light penetration,
Pisum salivum leaves, comparison, direct light, relationship, Erysiphe pisi
conidia spore germination, germ tubes formation 2774.

Lignification, enzymes, Nicotiana tabacum, tobacco mosaic virus infection, hypersensitive response 7193. enzymas, Nicotiana tabacum, tobacco mosaic virus infection, hypersensitive response 7193.

Lignin, 2019, 201

biosynthesis, incompatibility, Melampsora lini, rust, host-pathogen interactions, Linum usitatissimum 8046. decomposition, soil microorganisms, urea fertilization effects on, forests 5578. degradation enzymes, purification, characterization, Phanerochaete chrysosporium 3452.

4902.

degradation, Ganoderma tsugae, soft rot, Tsuga canadensis 3917.
degradation, models, role oxygen free radicals, photochemistry, fungi 3663.
deposition, Cucumis sativus, disease resistance, Cladosporium cucumerinum 7205.
deposition, disease resistance, Solanum tuberosum, pathogenicity, Fusarium
roseum, Cladosporium cucumerinum 7206.

roseum, Cladosporium cucumerinum 7206. hydrolysis, pulp mills, enzymes, fungi, paper mills 49. industrial effluents, pulp mills, waste water, fungi, coastal waters 1455. lignocelluloses, Sparina alterniflora, Rhizophora mangle, biodegradation 5305. metabolism, association, biodegradation, 3-(4"-enthoxy-3"-methoxy-3"-methoxy-12"-(4"-methoxyphenyi)-propionic acid, Phanerochaete chrysosporium 3662. peanuts, bacteria biodegradation 177. Cuercus nufa, Quercus, alba, Xvidebus frustulatus, biodegradation 3674.

Quercus rubra, Quercus alba, Xylobolus frustulatus, biodegradation 3674. Spartina alterniflora, Juncus roemerianus, Pinus elliottii, fungi, role,

Spartina atterniflora, Juncus roemerianus, Pinus elliottii, fungi, role, mineralization, marine environment 1026. 
mineralization, marine environment 1026. 
Trichosporon penicilitatum biodegradation, crop residues, Zea mays 6950. 
wood, Stereum trustulosum, enzymes, biodegradation 1022. 
Lignocelluloses, Agaricus bisporus biodegradation, life cycle 1879. 
agricultural wastes, carbon sources, endo-1,3-B-D-glucanase production, Streptomyces 3470. 
Arthrobacter, biodegradation, effects on, digestibility, Ruminantia 7882. 
biodegradation, Chaetomium cellulolyticum, Sporotrichum pulverulentum, single-cell protein production, pretreatment, sodium hydroxide, hydrogen fluoride, steam 1712. 
biodegradation, cotton, ginning, industrial wastes, textile industry, Pycnoporus cinnabarinus 6164. 
biodegradation, Fornes annosus, white rot 5309. 
biodegradation, Fornes annosus, enzymatic activity 3688.

iodegradation, riicroorganisms, enzymatic activity 3688. iodegradation, Oryza sativa residues, use methanogenesis, culture, Pleurotus

biodegradation, raicroorganisms, enzymatic activity 3688, biodegradation, Oryza sativa residues, use methanogenesis, culture, Pleurotu sajor-caju 2697. biodegradation, sugars production, Termitomyces cypeatus 3527. cell walls, steam disruption, cellulase, hydrolysis 5278. cellulase hydrolysis, high pressure carbon dioxide+steam pretreatment, crop residues 1748. cellulase hydrolysis, solvents pretreatment 8683. cellulase hydrolysis, solvents pretreatment 8683. cellulase hydrolysis, solvents pretreatment 8683. cellulase hydrolysis, cuse production, single-cell protein 1885. conversion, xylose metabolism, Candida 3651. crop residues, digestion (anaerobic), methanogenesis 5696. detritus, biodegradation, bacteria, fungi, salt marshes sediments 6171. ethanol production 3600. fermentation, biomass measuring techniques, nitrogen-15, mass spectroscopy

ethanol production 3600.

fermentation, biomass measuring techniques, nitrogen-15, mass spectroscopy, Chestomium cellulolyticum 5310.

Germentation, crop residues, ethanol production, Saccharomyces cerevisiae 5292. fermentation, ethanol production, cellulase +1-ydrogen peroxide 5303. fermentation, ethanol production, clostridium thermosellum, Clostridium thermosaccharolyticum, Clostridium thermosphulum 3617. fermentation, production, ethanol, Candida acidothermophilum 3617. fermentation, single-cell protein production, tropical environment, Gramineae 5358. fermentation, single-cell protein production, nutritive value, conferences 2544. fermentation, white rot, optimization, straw, Triticum aestivum 1887. hydrogen peroxide pretreatment, cellulolytic enzymes activity, Trichoderma reesei 3652

Subject Index Lignocelluloses, (continued)
hydrolysis, cellulase activity, ethanol production, 2,3-butanediol production,
Trichoderma reseesi, Trichoderma hazzianum, Klebsiella pneumoniae, Saccharomyces
cerevisiae, Zymomonas mobilis 5274.
hydrolysis, cellulase, use sugar fermentation, reviews, microorganisms 2599.
hydrolysis, industrial wastes, luels production, industrial wastes, paper mills,
cellulolytic microorganisms 7791.
hydrolysis, solvents pretreatment, cellulase, Trichoderma reesei 8536.
hydrolysis, sugars, assays, 2,4-dinitrosalicyclic acid 8680.
hydrolysis, sugars production, kinetics, models, cellulase 3474.
hydrolysis susceptibility, y rediation effects on 3654.
lignin biodegradation, cellulase deficient mutant, Sporotrichum pulverulentum
1886.
lignin, polysaccharides, Spartina alterniflora, Rhizophora mangle, Lipids, (continued) picas, (continued) biosynthesis, growth rate, continuous culture, cryptococcus albidus, Trichosporon pullulans 6925. carbon sources, fermentation, aeration, salinomycin production, Streptomyces emulsions, Kiebsiella pneumoniae, Enterobacter cloacae, growth, endotoxins production 1946. production 1940.

remulsions, waste treatment, activated sludge 3195.

extraction methodology, lysostaphin use, Staphylococcus aureus 7578.

levels, chickens liver, Fusarium vomitoxins contamination 2748.

metabolism, Staphylococcus aureus membranes, lipoteichoic acid biosynthesis ro 1886. Ilignin, polysaccharides, Spartina alterniflora, Rhizophora mangle, biodegradation, microorganisms 5305. macrophytes, biodegradation, microorganisms 2704. man-made, biodegradation, cellulase, Trichoderma 2711. ozone pretreatment, cellulaytic enzymes activity, rumen microorganisms 3459. ozone pretreatment effects on biodegradation 1890. Penicillium funiculosum, cellulase, hydrolysis 3454. pytrolysis 3454. Pseudotsuga menziesii, streams, factors affecting, microorganisms, biodegradation 1890. monitoring, optimization, erythromycin production, fermentation, Streptomyces monitoring, opinitazioni, evialimpian production, entre la constitución establistica establistica establistica entre la constitución de la constit mutans 9191.
production, Candida tropicalis 5239.
production, carbon sources, nitrogen sources, Spacelotheca reiliana,
Tolyposporium ehrenbergii 1850.
production, factors affecting, Tolyposporium ehrenbergii, Sphacelotheca reiliana 5250 production, fatty acid composition, sterol composition, Rhodotorula glutinis straw, sodium hydroxide hydrolysis, acid production, methanogenesis, methanogenic bacteria 9032. 5217 production, fatty acid composition, yeasts 3583, production. Rhodotorula clutinis, association, nutrient utilization, growth rate

Trichoderma harzianum cellulase hydrolysis, factors affecting 1892. Trichoderma ressi, cellulase, hemicellulase, hydrolysis 7833. Trichoderma ressi, cellulase, hemicellulase, hydrolysis 7833. Trichom aestivum, Acer saccharinum, biodegradation, Cyathus, Crucibulum laeve, Nidula niveo-lomenicas 6943.

Liliacese, host range, infection, Sclerotium cepivorum, disease resistance 8043. leafy gall, etiology, Corynebacterium fascians, Belgium 4531.

Limonin, levels, fruit juices, bitterness reduction, immobilized cells, Arthrobacter globiformis 5338.

leveis, fruit juices, bitterness reduction, immobilized cells, Arthrobacter globiformis 5338.

Lmonlum alnuatum, Pseudomonas caryophylli, crown rot, leaf rot, etiology 4560.

Limulus lysate best, bacteria endotoxins 1958. bacteria endotoxins 1958. bacteria endotoxins, reviews 4490. detection spoliage, Enterboacteriaceae, luncheon meat 6967. diagnosis, gonorrhea, Neisseria gonorrhoeae, emahes, man 3276. diagnosis, urethritis, Neisseria gonorrhoeae, embodology, man 671. Escherichia coli lipopolysaccharides, association heat treatments 227. spirochaetes endotoxins, Lyme disease 5385.

Linatool, Linatool, Linatooli production of the spirit pr

natool, volatiles biosynthesis, association odors, Pleurotus euosmus 133.

Uncomprin, antibacterial activity, in vitro, pediatrics, reviews 5783. antibacterial activity, Staphylococcus aureus, enzymes biosynthesis inhibition

9197.
antibiotic resistance, antibiotic sensitivity testing, Mycoplasma, animal isolates, chickens 3087.
effects on Bacillus subtilis, sporulation, stringent response 2242.
effects on Escherichia coli enteroloxins, biosynthesis, properties 228.
fungli biosynthesis 2254.
production, disc-offfusion test, Streptomyces lincolnensis 7445.
+pyrantei tartrate, feeds, prophylaxis, treatment, Treponema hyodysenteriae, dysentery, pigs 1918.
Lindane,
isomers, biodegradation, soil microproganisms 9023.

isomers, biodegradation, soil microorganisms 9023.

Inkaga analysis,
disasas resistance, genes, Lactuca sativa 5474.
genes, pericillin biosynthesis, protoplast fusion, Aspergillus nidulans,
Aspergillus rugulosus 4047.

Triticum aestivum seediings, Puccinia rust 258.
zym gene, inheritance, zucchini yellow mosaid virus disease resistance, Cucumis
melo 5478.

melo 5478 Linoleic acid,

antagonism, gentamicin bacteriostasis 4052. biosynthesis, growth rate, continuous culture, cryptococcus albidus, Trichosporon pullulans 6925.

pullulans 692-5. metaboism, Eubacterium lentum 1888. Linum usitatissimum, disease resistance, Melampsora lini rust, India 3875. disease resistance, Melampsora lini rust, India 3875. peroxidase activity, lignin biosynthesis, incompatibility, host-pathogen interactions, rust, Melampsora lini 8046. wilt, Fusarium oxysporum, biological control, suppression, Pseudomonas putida, surrival, soll moisture 2897.

pesse, stimulation, alginic acid role, Pseudomonas aeruginosa M form defective mutant

Lipiarmycin, effects on Bacillus subtilis, sporulation, stringent response 2242. N.M.R., structure 2284.

Lipid A, fractions, enzyme-linked immunosorbent assay, thin-tayer chromatography 5064. proteins complex, endotoxins, characterization, purification, Yersinia pseudotuberculosis subsp.pseudotuberculosis 3763. Lipid composition, Pleurotus ostreatus 5336. Schizosaccharomyces pombe membranes, drug resistance relationship 3990. single-cell protein, thermophilic fungi 860. Taphrina deformans, CGA 64250, effects on 2084. Lipid peroxidation, Apergillus paraeticus, Aspergillus flavus, aflatoxins biosynthesis 1077. Acholeolasma laidfaudi methods.

Acholeplasma laidlawii, methanol, acetone, use, extraction, association, freezing 9314 Agrobacterium tumefaciens, role polysaccharides biosynthesis, glucose, galactose 6886.

biosynthesis, fermentation, milk, dairy starters 7865. biosynthesis, fluorescence, fungi 1678.

production, Rhodotorula glutinis, nutrient requirements, nitrogen sources, carbon

production, Rhodotorula glutinis, nutrient requirements, nitrogen sources, ca sources 1856.
production, whey, nutrient sources, Aspergillus nidulans, Penicillium frequentans, Fusarium lycopersicum 7788. surfactants, production, continuous culture, Pseudomonas aeruginosa 6922. Lipota edid, reduction, fecal coliforms, indicator species, potentiometry, water analysis, microbial pollution 2392.

Lipolysis, bacteria growth, meat isolates 1059. yeasts, food contamination, seafood 5340.

yeasis, food comainmation, sealood 350.

Ipomyces, amylolytic enzymes production 8546.

Ipomyces starkeyl, dextranase biosynthesis, feedback inhibition, prevention, 2-deoxy-D-glucose, D-glucosamine 4331.

D-glucosamine 4331.

endodextranase, purification, characterization 2586.

Lipopolysaccharides, 
bacteria, purification 3537.

Campylobacter letus subsp.jejuni, carbohydrate composition, endotoxins, toxicity 
testing, mice 1945.

J-deoxy-D-manno-2-octulosonic acid derivatives, Vibrionaceae 5200.

Escherichia coli, Limulus lysate test, pyrogens tests, association heat 
treatments 227.

fatty acid composition, cansules. Bartenordes fraville 6887.

treatments 227.
fatty acid composition, capsules, Bacteroides fragilis 6887.
Neisseria meningitidis, conjugation Clostridium tetani toxoids, antibody response, vaccines, rabbits 1453.
oligosaccharides structure, Neisseria meningitidis 1832.
Pseudomonas solanacearum, interaction, Solanum tuberosum agglutinins 6285.
Pseudomonas solanacearum, structure, role, hypersensitive response, Nicotiana tabacum 7169.

Shigella flexneri, oligosaccharides biosynthesis 1834, structure, antibiotic resistance, β-lactam antibiotics, Pseudomonas

aeruginosa 7349. structure, antigen O, Vibrio cholerae 3529. structure, Campylobacter jejuni, Campylobacter coli 6053. structure, gentamicin, antibiotic resistance, Pseudomonas aeruginosa 7350.

Bacillus Celistrus, plasma membranes, role antibiotic resistance, colistin 9074.
Bacillus Colistrus, plasma membranes, role antibiotic resistance, colistin 9074.
containing streptomycin, chloramphenicol, phagocytosis, antibacterial activity,
Escherichia coli infected macrophages 513.
incorporation, influenza virus, rubella virus, membrane proteins, immunogenicity,

incorporation, intiliuenza virus, rubella virus, membrane proteins, immunogenicity, vaccines, rabbits 6650.
morphogenesis, fusidic acid biosynthesis, metabolism, fusidium coccineum 7469
Lipotelchoic acid,
biosynthesis role, lipids metabolism, Staphylococcus aureus membranes 4266.
release, Staphylococcus aureus, cefmetazole, comparison, β-lactam
antibiotics, antibacterial activity 1393.

Lipoxygenase, activity, Saccharomyces vini 5171.

Lipoxygenase, activity, Saccharomyces vini 5171.

Liquid chromatograehy, comparison, thiraleyer chromatography, analysis, affatoxins, food contamination, peanuts 8731.

Celegramicaling effetivities effetivities with effetivities P1 peac food contamination, peanuts 8731.

determination, aflatoxicol, aflatoxin M1, aflatoxin B1, eggs, food contamination 8732

d/32. determination, aflatoxins, food contamination, peanuts 8729. fungi T-2 toxin, HT-2 toxin assays, Triticum aestivum, Secale cereale 3739. use, detection, ergot alkaloids, grain, flour 7050.

use, detection, ergot alkaloids, grain, flour 7050.

Liquid culture,
bacteria counting techniques 2450.
citric acid production, Aspergillus niger 6814.
citric acid production, mulants, Aspergillus niger 1708.
comparison, blood culture, isolation, methodology, bacteria, fungi 3260.
detection, bacteremia, fungemia, aerobic conditions, anearobic conditions,
effects on 2514.
extracellular 80-0 glucosidase production, Penicillium funiculosum 919.
Fusarium graminearum, production, vomitoxin 2755.
Hirsufella thompsoniti var, synnematosa, conidia production, inoculum, biological
control, Phyllocoptruta oleivora 3363.
inoculum levels effects on pectinolytic enzymes production, Aspergillus alliaceus
4352.

inoculum production, ectomycorrhizas 5937. media, Candida comparison Trichomonas vaginalis, isolation 8482. media (culture), agitation equipment, fermenters 5874. media (culture), glucose ammonium tartrate, degradation, sterilizati

media (culture), glucose ammonium tartrate, degradation, sterilization, autoclaves 8490.
methodology, septicemia detection, man 2466.

methodology, Streptomyces air spora preservation 3292.

Morchella esculenta mycelia 7633.

phytotoxins production, Cochliobolius victoriae 8743.

phytotoxins production, Cochliobolius victoriae 8743.

Polyporus squamosus mycelium, growth rate 822.

sucrose, defection, bacteremia, fungemia, man 2522.

Verticicaldiella, biosynthesis, antibiotics, phytotoxins 972.

whey+sucrose, production, use, Leuconostoc mesenteroides 8474.

quida,

aluminum reactors, Pseudomonas fluorescens fouling organisms, films formation 2382. 2382

alturnium reactors, Pseudomonas fluorescens fouling organisms, films forms 2382.

dilution rates, rumen microorganisms continuous culture, fermentation 5295. media (enrichment), Campylobacter jejuni isolation 5049. phase transition, gases, Saccharomyces italicus fermentation, spectrometry fermenters 154. preservatives, effects on microorganisms growth, urine culture 3268. steria, bioassays, identification, clinical aspects, methodology 5075. clinical solates, moxalactam, artibactenial activity 5768. solation, polluted environments, methodology 4951. media (selective) 3314. reactors, cutting fluids biodegradation, bacteria identification 178. steria monocytogenes, antibacterial activity, mezlocillin 4884. EDITA-tromethamine+arithmicrobial agents antibacterial activity 4816. pathogenicity assays, hemolysis 695. ritamycin, artibacterial activity 6362. tocholic activity activity 6362. tocholic activity, antibacterial activity, antibacterial activity, gram-positive bacteria, gram-negative bacteria 6337.

grant-response because the control of the control o

cacelylene reduction, nitrogen-fixing bacteria, forests, Eucalyptus obliqua, Pinus radiata 8937. Sacelylene reduction, nitrogen-fixing bacteria, forests, Eucalyptus obliqua, Pinus radiata 8937. Subdegradation, winter, sub-polar environments 3907. Subdegradation, winter, sub-polar environments 3907. Subdecomposition, soil microorganisms, rain forests, tropical environment 7224. Subgrades of the subgrades of the

wood, decomposition, forests, Fagus sylvatica, Quercus petraea, British Isles

ttile leaf,
mycoplasma-like organisms, Ipomoea batatas 6286.
mycoplasma-like organisms, phloem, Vaccinium vitis-idaea, Vaccinium myrtillus
6275.

mycoplasma-like organisms, disease transmission,

nicketisia-like organisms, mycoplasma-like organisms, disease transmission, reatment, Wissadula periplocifolia, Jamaica 2047. Wissadula periplocifolia, etiology, rickettsia-like organisms, mycoplasma-like organisms, Jamaica, new records 2046.

Appergillus aflatoxin Q1 metabolism, rats 223.
catalase, +Aspergillus niger glucose oxidase, immobilized enzymes, glucose oxidation, cattle 2578.
chickens, ligids levels, Fusarium vomitoxins contamination 2748.
Dasypodidae, Mycobacterium leprae infected, isolation methodology 5903.

vestock, leads additives, antibiotics, antibiotic resistance, bacteria, reviews 9062. bella erinus, seed treatments, steam, disease control, Alternaria tenuis 2062.

treatments, steam, disease control, Alternaria tenuis 2062.

2014. April 10 cous inheritance, association white rust, Albugo candida disease resistance, Brassica napus 2654.

2015. April 10 cous, gene expression, Periconia circinata, phytotoxins effects on, host-pathogen interactions, Sorghum 4519.

10 million in in the coust of the coust of

situm, hemicelluloses, sodium hydroxide hydrolysis, production, xylose isomerase, endo-1,3-β-D-xylanase, Streptomyces flavogriseus 5186. 
Puccinia coronata leaf rust, disease resistance, cultivars 3874. 
Plucinia coronata leaf rust, disease resistance, cultivars 3874. 
Flusarium culmorum infection, disease control, use, calcium peroxide, comparison, carbendazim, drazoxolon 1203. 
growth, endomycorrhizas, interaction, nitrogen, phosphorus 8971. 
leaves, inhibitors isolation, ryggrass mosaic virus infection 1984. 
pasture, canker infection, toxins production, Corynebacterium rathayi 6215. 
https://doi.org/10.1006/production/producti

7255.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

7259.

72

Dobe smut,
Ustilago nuda, Hodeum vulgare disease resistance, Ethiopia 5503.
Ustilago nuda var.tritici, association, burit, Neovossia indica, pathology,
Triticum aestivum 8799.

Loose smut, (continued)
Ustilago nuda var tritici, disease resistance, plant breeding, disease resistance, Triticale 1183.
Lophodermella sulcigena, needlecast, Pinus sylvestris, association nutrient dynamics 5601.

needlecast, Pinus sylvestris, association nutrient dynamics 5601.

Lotononis bairneali,
host plants, root hairs symbiosis, Rhizobium leguminosarum, Bradyrhizobium
aponicum, role lectins 6382.

Lotus corniculatus,
silage, proteolysis 1068.

Lotus pedunoculatus,
nitrogen fixation, fertilizers, nitrogen sources, nodulation 2160.

Lowry assay,
proteins levels, lignocelluloses, Clostridium thermocellum 4424.

Lucanthone, and the control of the c

analogs, bactericidal activity 4742. Lumbricidae,

activity, microorganisms acid phosphatase stimulation, activated sludge 7265.

Luminous becterla,
bloassays, toxicity testing, aquatic environment pollutants 1601.

Luncheon meet, contamination poliusaria poliusaria 1007.

Luncheon meet, contamination, bacteria growth, nitrite association 2728. isolation, Bacillus licheniformis, Streptococcus faecium, biodegradation 2727. packaging, films, oxygen permeability, Clostridium botulinum growth inhibition, sodium nitrite, potassium sorbate, lactic acid bacteria, stafer cultures 7023. spoilage, Enterobacteriaceae, detection, Limulus lysate test, catalase production 6967.

vacuum packaging, Pseudomonas, packaging, spoilage 8715.

patch, Rhizoctonia solani, surveys, soils (calcareous) 255.

Lupinus luteus, disease reservoirs, host alternation, rust, Phakopsora pachyrhizi 7940. Lupinus termis,

plant extracts, antifungal activity, aflatoxins biosynthesis, Aspergillus flavus 7897. Luteovirus

antigenic characteristics, identification, Gramineae, China, People's Rep. 8796.

Lyclum barbarum,
plant extracts, antimicrobial activity 8339.

priant extracts, animarcocar source years.

Fusarium, biosynthesis, role, plant diseases, reviews 7100.

Lycoperation,

cultivars, plant breeding, disease resistance, speck, Xanthomonas campestris

pv. vesicatoria 2829

disease resistance inheritance, Phytophthora nicotianae f.sp.nicotianae, foot rot, root rot 296.

uisease resistance Inheritance, Phytophthora nicotianae f.sp.nicotianae, foot rot, root rot 296.

Lycopersicon esculentum, alfalfa mosaic virus infection, disease resistance 309. Alternaria solani biological control, antagonism, Aureobasidium pullulans 2080. bacteria speck, disease control, manozzeb-t-cupric hydroxide 6310. buckeye rot, soil moisture effects on pathogenesis, Phytophthora parasitica 5458. canker, Corynebacterium michiganense subsp.michiganense, disease reservoirs, soil-borne diseases, crop residues 8872. Cladosporium fulvum infection, chlorosis, necrosis 5465. cotyledons, lesions, Corynebacterium michiganense subsp.michiganense, identification, plant diseases 1158. cultivars, disease resistance, Verticillium wilt 1178. cytokinins content, tomato spotted wilt virus infection 4567. fruits, ethylene production, Phizopus stolonifer infection effects on 2011. fruits, yield, spot, Xanthomonas campestris pv.vesicatoria effects on 277. genetic analysis, disease resistance screening projects, speck, Pseudomonas syringae pv.tomato 5482. Glomus, mixed infection, tobacco mosaic virus, electron microscopy 4535. growth stimulation, soils (saline), inoculation, vesicular-arbuscular mycorrhizas 5616. infection, tomato yellow top virus, antigenic relationship, potato leaf roll

infection, tomato yellow top virus, antigenic relationship, potato leaf roll virus, beet western yellows virus 8847. Inheritance, disease resistance, anthracnose, Colletotrichum dematium 2851. inheritance, disease resistance genes, Pseudomonas syringae pv.tomato, speck 2828

2828
late blight, Phytophthora infestans, disease control, fungicides 1206.
leaf blight, Pseudomonas viridiflava, etiology 4561.
leaves, potato spindle tuber viroid infection, site location, nuclei 3819.
necrosis, Pseudomonas corrugata, immunodiagnosis, enzyme-linked immunosorbent assay 8835.
pathogenesis, mixed infection, Fusarium oxysporum f.sp.lycopersici+Meloidogyne incognita 8831.

pathogenicity, races, Verticillium dahliae, Morocco 8038. phomenone detection, high-performance liquid chromatography, infection, Phoma

phomerone detection, high-performance liquid chromatography, infection, Phot destructiva 8848.
photoalexins characterization, Verticillium albo-atrum infection 7200. phytotoxicity, aftersolanot in Alternaria solani 2813. plant breeding, cultivars, disease resistance, speck Pseudomonas syringae pv. tomato 1179. plant breeding, cultivars, disease resistance, speck Pseudomonas syringae pv. tomato 1179. plant breeding, disease resistance, Fusarium wilt, Meloidogyne infection 2864. plant diseases, tomato yellow leaf curi virus, cytology 4542. plant diseases, tombusvirus 4540. pollen, formation, uttrastructure, tobacco rattle virus infection 8005. potato spindle tuber viroid infected, purification, pathogenesis relationship proteins 8853.

Lycopersicon esculentum, (continued) powdery mildew, Leveillula taurica, incidence, USA, Arizona 8035. Pythium aphanidermatum damping-off, disease control, benomyl, demosan, captan Lysis, (continued)
+centrifugation, isolation, yeasts, bacteria, blood culture 1529.
+centrifugation, recovery system, bacteria, fungi, clinical trials 4159.
Cochilobolus miyabeanus condicia, Rhizoctomia solani hyphae, soil microorganisms Myxobacterales, biological control, plant diseases 8920.
phage 140, Escherichia coli, contamination, petroleum recovery, rocks 3986.
phages infected Pseudomonas aeruginosa, polymyxin B induction 4856.
Lysobacter enzymogenes,
alkaline phosphatase, purification, characterization 3519.
proteinase, substrate specificity, use amino acid sequence determination 939. Inizochoria solani sclerotia biological control, Verticillium biguttatum treatment 325.

Inizosphere microorganisms, soil microorganisms, population levels 8990. 
Inizosphere microorganisms, pythiaceae 8220. 
Inig spot, etiology, tomato mosaic virus strains, USA, California 8842. 
root rot, Phytophthora parastiica, disease control, metalaxyl, sulfadoxine 5532. 
roots, brown rot, Pyrenochaeta lyoopersici isolation 7176. 
roots colonization, pure culture, sponulation. vesicular-arbuscular mycorrhizas, 
Gigaspor amagarita 4811. 
seed germination biological control, seed treatments, Agrobacterium radiobacter 
extracellular pohymers, polysaccharides, biological control, damping-off 6309. 
speck, detection, use, phages 8823. 
speck, factors affecting Pseudomonas syringae pv.tomato survival 276. 
speck, Pseudomonas syringae pv.tomato, acid rain 4554. 
stem canker, Didymella flyoopersici, solar radiation, disease control 2847. 
tobacco mosaic virus infection, pathogenicity, cross-protection 8042. 
tobacco streak virus isolation, characterization, host range 4565. 
tomato bushy sturti virus infection, pathogenicity, cross-protection 8042. 
tobacco streak virus isolation, characterization, host range 4565. 
tomato bushy sturti virus infection, effects on metabolism 6265. 
Verticillium dahilae wilt, disease resistance, plant breeding 2068. 
Verticillium dahilae wilt, epidemiology, USA, North Carolina 5465. 
Verticillium dahilae wilt, epidemiology, Meloidogyne incognita, mixed infection, 
phosphorus interaction 371. 
wilt, Fusarium oxysporum 1.sp.lycopersici, factors affecting 5455. 
wilt, Verticillium albo-atrum, vesicular-arbuscular mycorrhizas fung, inhoritange protection personal processor proce Phizoctonia solani sclerotia biological control, Verticillium biguttatum treatment 325. Lysogenization, phage λ, bacteria resistance, isolation methodology 5910. Lysogeny, Escherichia coli 4706. Lysophospholipase, isoenzymes, C.D., fluorescence, penicillium notatum 7685. purification, characterization, Vibrio vulnificus 7676. pumication, characterization, vibrio vuinnicus 7676.

D-Lysopine dehydrogenase,
activity, Agrobacterium tumefaciens, crown gall, plants 6274.

Lysosomes,
incorporation, rabies virus membranes glycoproteins, antibody response, mice 6660 Lysostaphin use, lipids extraction methodology, Staphylococcus aureus 7578.

Lysozyme,
binding, penicillins 9194.
disaccharides tetrapeptides binding effects on tryptophan residues, fluorescence,
phage 14 7706.
+EDTA+tris, effects on drug sensitivity testing, antibacterial activity,
Pseudomonas aeruginosa, animal isolates, horses 2253.
purification, characterization, cell walls, Sporobolomyces rubersmus 2585.
purification, characterization, cell walls, Sporobolomyces ruberimus 2585.
purification, characterization, plage PL-1 induction, Lotobacillus casei 4284.
Streptomyces rutgersensis, characterization 6006.
Streptomyces rutgersensis, characterization 6006.
Streptomyces rutgersensis, production, cultural characteristics 941.
Lytic enzymes,
activity, Bacilitus circulans+Phaffia rhodozyma mixed culture, carbon sources,
relationship, astaxanthin extraction 1743.
Bacillus subtilis, enzymatic activity, Clostridium saccharoperbutylacetonicum,
cell walls, peptiodgycans 5994.
biosynthesis, bacteria 3481.
Lyticase, use, lipids extraction methodology, Staphylococcus aureus 7578. Lycopersicon hirsutum, inheritance, disease resistance genes, Pseudomonas syringae pv.tomato, speck Lycopersicon peruvianum, inheritance, disease resistance genes, Pseudomonas syringae pv.tomato, speck Lycopersicon pimpinellifolium, inheritance, disease resistance genes, Pseudomonas syringae pv.tornato, speck Lyticase,
Oerskovia xanthineolytica, use, yeasts RNA, DNA, isolation methodology 8492. 2828.

Lycorine,

Group of the property of the Maackiain, production, Sophora japonica leaves, Helminthosporium carbonum inoculation 113 production, Sophora japonica leaves, reministration of Machinery, Machinery, harvesting, association, aerosols, particulate pollution, microorganisms, measuring techniques, mathematical models 3229.

Mecommellins, structure, Macrophoma commelinae metabolities 2635.

Macrolide antibiotics, antibiotics, antibiotic resistance, Mycoplasma, animal isolates, chickens 3087. antibiotic resistance, plasmids, Streptococcus, host range 3025. antibiotic resistance, Streptococcus pyogenes, clinical isolates, serotypes 3018. biosynthesis, infermediates, nonactin, homononactic acid, Streptomyces griseus biosynthesis, L form, Streptomyces hygroscopicus 4799.
derivatives, synthesis, association, tosylhydrazones, reduction 3174.
epoxyenone, chemical modification, deepoxidation 5788.
epoxyenone, despoxidation, products, antibicaterial activity 5789.
potentiation, 9-(2-hydroxyethoxymethy/ljouanine, antiviral activity, pseudorabies activity, lysine production, Cryptococcus 6034 activny, lysine production, Cryptococcus 6034. Lysine, bicavallability, single-cell protein, Torulopsis utilis 1730. bicsynthesis, respiration (cyanide insensitive), Brevibacterium flavum 4267. Lactobacilius plantarum, bicsynthesis, colonization, gastrointestinal tract, feeds supplements, chickers 7010. levels, fermentation, temperature effects on, commeal, lactic acid bacteria virus 647.5. **acromolecules**,

biosynthesis, Bacillus subtilis, antibacterial activity, ravidomycin 4864.

hydrolysis, cellulollytic microorganisms enzymes, pretreatment effects on 187. **iacromomycin**,

structure, X-ray diffraction, Streptomyces macromomyceticus 6558. structure, X-ray diffraction, Streptomyces macromomyceticus 6558.

Macrophages.

Streptomycin, chloramphenicol, antibacterial activity 513.

guinea-pigs, intracellular killing, Legionolia pneumophila, antibiotic sensitivity testing 6506.

Mycobacterium leorae cell culture, animals 7585.

phagocytosis, Cryptococcus neofromans, staining,

(4 f-diamidino-2-phenylindole)-fluorochrome, microscopy 2524.

Macrophome commellines,

metabolites, macromelins structure 2635.

Macrophome Ipomoses,

infection, ipomoea fistulosa 8017.

Macrophome mangifera,

antifungal activity, benlate, kocide 101, captan, dithane M45, brestan 4587.

leafspot, Hungary, Zea mays 7969.

Macrophome zeee,

leafspot, Hungary, Zea mays 7969. 7881 7881.
production, activity, lysinamidase, L-α-aminocaprolactam hydrolase,
Cryptococcus 6034.
production, association pyruvate kinase, Brevibacterium flavum 1728.
production, biotin nutrient requirements, Brevibacterium lactofermentum 6817.
production, media (culture), Brevibacterium 6769.
production, pyruvate kinase deficient mutant, Brevibacterium flavum 8527.
production, respiration (cyanide insensitive), chemostats, Brevibacterium flavum 7880. streptothricin biosynthesis, Streptomyces rochei 3131. L-Lysine, 

B-Lysine,

formation, Streptomyces, streptothricin F biosynthesis 4844.

Lysine articlase, activity, detection methodology, Cryptococcus 6822. Lysine 2-monoxygenase, Trichoderma viride, immobilized enzymes, electrodes, use, assays, L-lysine, fermenters 38. Lysis

imgation effects on 1142.

Macrophomina phaseolila,
charcoal rot, Cucumis melo, pathogenesis 2033.
charcoal rot, disease resistance, Sorghum bicolor 8890.
charcoal rot, dispase resistance, Sorghum bicolor 8890.
charcoal rot, dispase resistance, Sorghum bicolor 8890.
charcoal rot, Helianthus annuus, etiology 4551.
immobilizad enzymae, cellulabitic augumes hamicollisiase 8571.

acrophomina infection, Helianthus annuus, pathogenesis, association developmental stages, irrigation effects on 1142.

immobilized enzymes, cellulolytic enzymes, hemicellulase 8571. infection, Glycine max, pathogenicity 240. latent infection, scierotia soil levels, Euphorbia lathyris, weeds, USA, Arizona

myoelia survival, association, crop residues soil amendment 2133. plant diseases pathogenicity, fungiodes effects or 7211. solerota viability, soil solarazistion effects on 6302. solerome diseases, disease control, solar radiation 2845. survival, seeds, Helianthus annuus, pathology 8026.

1

Macrophytes, lignocelluloses, biodegradation, microorganisms 2704. Macroslphonlella sanborni, biological control, benomyl foliar applications effects on 6091. Macrozamia communia, seedlings, nodulation, symbionts 2907.

Securings, industativit, symbolis 2907, lagnesium, association, production, anaerobic conditions, media (culture), anaerobic bacteria 7623, cations, effect on streptomycin antifungal activity, Phytophthora infestans 7379.

cations, effect on streptomycin antifungal activity, Phytophthora infestans 7379. 
+coupling factor 1, 
effects on p-hydroxybenzoic acid esters antibacterial activity, Escherichia coli 
heat treatments 3055. 
effects on Rhizobium meliloti nitrogen fixation, symbiosis, Medicago sativa 2960. 
interaction inorganic pryophosphatase, X-ray scattering, yeasts 3487. 
nutrient requirements. Aspergillus affatoxins biosynthesis 708. 
release, Bacillus, antibacterial activity, sodium citrate 7375. 
release, spores, sodium citrate antibacterial activity, Bacillus 7375. 

sagnetic facilius, antibacterial activity, Bacillus 7375. 

sagnetic facilius, antibacterial activity, Bacillus 7375. 

sagnetic facilius, antibacterial activity, Bacillus 7375. 

sagnetic facilius (Sagnetic) (Sagne

Sassafras randainse, isolation, chemical properties 454 hanarva, biological control, Metarhizium anisopliae inoculum production, factors affecting 5266.

Malliard reaction,

| Indigate reaction, products, role growth inhibition, Bacilius subtilis, Escherichia coli, Staphylococcus aureus 7357. 
| Sugars fermentation, ethanol production, Saccharomyces cerevisiae 8662. 
| Indigate dwarf mosale virus, ethanol production, Saccharomyces cerevisiae 8662. 
| Indigate dwarf mosale virus, ethanol production, Zea mays 5495. 
| Indigate resistance, field trials, plant breeding, Zea mays 5495. 
| Indigate resistance, Zea mays germplasm comparison 8091. 
| Infection, Zea mays, disease resistance, genetic control 2838. 
| Infection, Zea mays, disease resistance, genetic control 2838. 
| Indigate resistance and the control 2838. ľ

Maize streak virus,

ú

dize streak virus,
disease transmission, Auchenorrhyncha, Zea mays 7154.
disease transmission, Auchenorrhyncha, Zea mays 7154.
dajor histocompatibility complex,
purification, adjuvants, immunogenicity, vaccines 6589.
taliachite greecion, bacteria, sewage treatment 2331.
laiste dehydrogenaede general sewage treatment 2331.
laiste dehydrogenaede general gene

4409. kinetics, poly(ethylene glycol) bound NAD<sup>+</sup> derivatives effect on, Bacillus stearorhermophilus, Thermus thermophilus, yeasts 76. oxaloacetic acid binding, kinetics, Phycomyces blakesleeanus 3454. purification, characterization, comparison, Humloola lanuginosa, Mucor pusillus

Malate dehydrogenase (oxaloacetate-decarboxylating) (NADP<sup>+</sup>), purification, characterization, Pseudomonas pulida 5140. Malaysia, Coffea, Hemileia vastatrix rust, Verticilum psalliotae hyperparasitism 1204. Shorea seedlings, ectomycorrhizas 7230.

assimilation, malolactic fermentation, Leuconostoc oenos, transformation,

assimilation, malolactic fermentation, Leuconostoc cenos, transformation, Escherichia coli 3627. 
conversion, ethanol production, activity, malate dehydrogenase, alcohol dehydrogenase, Saccharomyces cerevisiae 4409. 
lactic acid., genes, Lactobacillus delbrueckii, cloning, Escherichia coli, Saccharomyces cerevisiae, role, wine, termentation 2681. 
levels, monitioning, malolactic fermentation, wine 8665. 
metabolism, silage, lactic acid bacteria 6200. 
Malic acid, decomposition, Botrytis cinerea, musts, organoleptic evaluation, wine 8666. 
production, furnarate hydratase activity, Escherichia coli 6877. 
production, furnarate in the second of the second cells, the second control of the second cells, the se

Thermus rubens sp.nov. 9. Malignancy,
children, infection prophylaxis, laminar air flow, nosocomial environments 576.

bark, nitrogen-fixing bacteria activity 8147.

fallotus japonicus,
bark, nitrogen-fixing bacteria activity, atmospheric pressure, oxygen, effects on
8148.

Malolacite fermentation, activity purification, affinity chromatography, Leuconostoc cenos 8800. 2,3-butanedione levels, wine, Leuconostoc cenos 2693. immobilized cells, Leuconostoc cenos 6931. mailo acid assimilation, Leuconostoc cenos, transformation, Escherichia coli

3627.

malic acid, tartaric acid, levels, monitoring, wine 8665.

musts, acetic acid bacteria, Gluconobacter oxydans, Acetobactes aceti 6936.

musts, organoleptic evaluation, wine, Leuconostoc cenos 2692.

wine, immobilized cells, Leuconostoc oenos 165.

wine, Leuconostoc oenos, viability 6125.

wine production, lactic acid bacteria, reviews 173.

wine, starter cultures, drying, storage, viability, Leuconostoc oenos 7816.

wine, starter cultures, drying, storage, viability, Educatiose Certain 97016.

Mattopentacee,
c-amylase production, Bacillus circulans 1763.

Mattose,
formation, glucose conversion, exo-1,4-c-D-glucosidase, kinetics, Rhizopus
niveus, Aspergillus niger 3464.
hydrolysis, exo-1,4-c-D-glucosidase, Aspergillus niger 3473.
hydrolysis, exo-1,4-c-D-glucosidase, immobilized enzymes, Rhizopus niveus,
reactors 112.

reactors 112.

reactors 112.

reactors 112.

Reality amyloiguefaciens 4360.

Mattoa-binding protein, ligands binding, Escherichia coli 1726.

Mattoa-binding Escherichia coli 1726.

Mattoa-binding, Escherichia coli 1726.

α-amylase production, Bacillus circulans 1763.

 $\begin{array}{l} \textbf{Maltotriose,} \\ \text{hydrolysis, exo-1,4-} \alpha \text{-D-glucosidase, Aspergillus niger 3473.} \\ \textbf{Malus,} \end{array}$ 

canker, Valsa malı, disease control, antibiotics+copper sulfate 8139. canker, virulence, Pseudomonas syringae pv.syringae 8810. crop residues, fermentation, ethanol production 3623. crown rot, Phytophthora cactorum, antiagonists, bacteria, effects on pathogenesis

5511 overwintering, Pseudomonas syringae pv.papulans, Pseudomonas syringae pv.syringae

plant vinuses infection, long-term effects 6250, powdery mildew, Podosphaera leucotricha, disease control, fungicides 5516, soab, Ventruria inaequalis, sterols inhibitors, disease control 3881. Venturia inaequalis overwintering 2001.

Ventura maequais overwittering 2011.

Malua domestica,

buds, infection, Botryosphaeria obtusa 4527.

endomyorrhizas effects on growth, association, clays media 2136.

Eutypa armeniacae isolation, USA, Washington, in vitro, pathogenicity, cultural characteristics 2005.

characteristics ZUUS.
powdery mildew, Podosphaera leucotricha, temperature effects on, dormancy 7985.
roots colonization, vesicular-arbuscular mycormizas 8218.
seedlings growth, phosphorus uptake, stimulation, Glomus mosseae 3942.
Malus floribunda,
leaves, Venturia inaequalis pathogenicity, growth 7988.

Malus pumila,

bioassays, crown gall, disease control, streptomycin, vancomycin, CGA 78039 343. blister spot, Pseudomonas syringae var papulans, pathology, Italy 7161. Botryosphaeria dothidea canker, disease ersistance 1200. Canker, Botryosphaeria dothidea, disease control, benomyl, pruning, USA, Georgia

canker, 3900

3900.
disease resistance, Venturia inaequalis scab, piant breeding 2835.
Erwinia amylovora, virulence, characterization 2803.
fruit rot. Alternaria 7986.
fruits, chemical composition, relationship infection susceptibility.
Botryosphaeria ribis 2799.
fruits, susceptibility, Venturia inaequalis scab, role, age, temperature, water availability 2797.
host plants, firablight, reviews 7166.
leaves, bark, roots, tomato ringspot virus distribition 7994.
Phoma violacea post-harvest decay, pathogenicity 2053.
https://doi.org/10.1006/10.10

seedlings, Phytophthora cactorum crown rot, biological control, antagonism, Bacillus subtilis 7212. tissue culture, Erwinia amylovora infection, extracellular polymers, polysaccharides, characterization 1835.

Malus sylvestris,
buds, black rot, Botryosphaeria obtusa 7996.
Malva parviffora,
cotton leaf crumple disease, virus-like particles etiology, epidemics, USA,
Arizona 8814.

Arizona 8814.

Arizona 8814.

Arizona 8815.

Malva alivestris,

cytopathology abutilon mosaic virus 8815.

Malva alivestris,

cytopathology abutilon mosaic virus 8815.

Malvastrum coromandellanum,

plant diseases, okra mosaic virus, epidemiology, Nigeria 6262.

Mamestra configurata,

larvae, growth, bioassays, t-2 toxin 3731.

Mammalia,

dissemination, Caloscypha fulgens, pathogens, Picea glauca, Pinus contorta,

Pseudotsuga menziesii, Canada 7237.

Mammalia ncells,

cell culture, vesicular stomatitis virus infection, insecticides, emulsifiers,

solvents effects on 2434.

cell lines, use, enterovirus, isolation, waste water 4150.

comparison, Aves cells, cell culture, reovirus (avian) 5001.

experimental infection, nuclear polyhedrosis virus, pathogens, biological

control, pests 6896.

control, pests 6896.

gene transfer, use Sendai virus envelopes carriers 630.
herpesvirus DNA detection, electrophoresis 4977.
interferon, antiviral activity, recombination, DNA 4778.
transfection, papilioma virus (bovine) cloning vectors 629.

Mancozeh,
+ cupric hydroxide, disease control, bacteria speck, Lycopersicon esculentum 6310.
+ curzate antifungual activity, phytopathogenic fungi 2085.
disease control, Phytophthora infestans, late blight, Lycopersicon esculentum

disease control, Phytophthora infestans, late blight, Solanum tuberosum 8926. disease control, Raphanus sativus, white rust, downy mildew 2902. inhibition, ectomycorrhizas, non-target organisms, seedlings, Pinus sylvestris

so 70.

metalaxyi, Pythium ultimum, decline, Vitis vinifera 8122.
role, Colletorichum gloeosporioides polygalacturonase inhibition 1224.
seed treatments, seed-borne diseases, Cosmos 8142.

Mandibular glands,

manatouer grantors, antimicrobial activity, soil microorganisms, Calomyrmex 3069. secretions, antimicrobial activity, soil microorganisms, Calomyrmex 3069. Manduca sexta, biological control, pathogenicity, Pseudomonas aeruginosa cytotoxins, reviews

Manganese, bioaccumulation, wood, fungi white rot 7240, bioaccumulation, wood, fungi white rot 7240, biogeochemistry, microorganisms, reviews 8209, biomass levels, nutrient cycles, soil microorganisms 6347, biomass levels, nutrient cycles, soil microorganisms 6347, biosynthesis, precursors, nucleodes, premisers, Microoccus luteus, DNA biosynthesis, precursors, nucleodes, premisers of 646clency, Triticum sextra controlled, procursors, nucleodes, premisers of 646clency, Triticum sextra microoccus, and production of 646clency, Triticum sextra microoccus, and production of 646clency, the foreign of 646clency, and foreign of 646clency, and

interaction inorganic pyrophosphatase, X-ray scattering, yeasts 3487. nutrient requirements, Aspergillus aflatoxins biosynthesis 7068. nutrient requirements, patulin biosynthesis, media (culture), Penicillium urticae

nutrient uptake, rhizosphere microorganisms, plants 5627.

Manganese, (continued) nutrient uptake, stimulation, vesicular-arbuscular mycorrhizas, Arachis hypogaea 5641. Marine environment, (continued) Marine environment, (continued)
8422.

Spartina alterniflora, Juncus roemerianus, Pinus elilottii, lignin, mineralization, fungi, role 1026.

Marine microorganisms, alginate lysse, isolation, characterization 3503. decarboxylation, phthalic acid, biodegradation 986.
DNA biosynthesis, RNA biosynthesis, measuring techniques, methodology 4143. hydrogen production 3582.

Marine pollution, coastal waters, Candida, indicator species 2399. indicator species, Escherichia coli, Streptococcus, survival 2395. indicator species, sewage sludge, ocean dumping 2389.

Marsaonina, Populus, pathogenesis 5596.

Marsaonina belsamiferae ap.nov., taxonomy, etiology, leafspot, Populus balsamifera, Canada 3913.

Marsaonina brunnea, host range, pathogenicity, Populus 357. infection, Populus deltoides, prophylaxis relationship fungicides seed treatments 2112. 5641.
station, reduction, valency, bacteria, soil 6386.
removal, ores, Achromobacter 1287.

Mangifera Indica,
arribracrose, Colletotrichum gloeosporioides var.minor, epidemiology 7159.
leafspot, Zimmercananiella trispora 8808.
wilt, Ceratocystis fimbriata, disease control, pruning, disease resistance
rootstocks, Brazil 5440. Mangoetin, derivativs, isolation, Garcinia mangostana, antimicrobial activity 4783. Manihot esculenta, formentation, ethanol, Rhizopus koji 3610. cxalic acid levels, fungi infection 6281, prtyllody, Mycoplasma-like organisms, Colombia 8027, plant breeding, cultivars, disease resistance, bilght, Xanthomonas campestris privanihotis, infection, Estimo brasiliensis 5497. yield, fertilizers requirements, inoculation, Glomus manihotis 2934. yield, ferfilizers requirements, inocutation, consideration ferfilizers requirements, inocutation, conversion, B-1,4-mannooligosaccharide biosynthesis, Streptomyces B-D-mannosidase, Cocos nucifera 8604. Saccharomyces cerevisiae, linkage, site location 5203.

-Mannas, localization, Phytophthora megasperma f.sp.glycinea, hyphae, host-pathogen interactions, Glycine max 7941. structure, yeasts 8614. 2112.
infection, Populus, transmission (seed) 2113.
Marssonina castagnel,
host range, pathogenicity, cultivars, Populus 365. Mass spectroscopy,
aflatoxin B1, aflatoxin B2, peanuts 6206.
antibiotic FR-900109, Streptomyces prunicolor, biosynthesis, antibacterial
activity, gram-negative bacteria 1435.
computer applications, fermentation monitoring 170.
dissolved oxygen, media (culture), fermenters 5873.
methodology, gases determination, microorganisms culture systems 4144.
monitoring, methanogenesis, digestion (anaerobic), waste treatment 1458.
nicket letrapyrole cofactor F430 multiple forms, comparison, Methanobacterium
thermoautotrophicum 4291.
nitrogen-15, biomass measuring techniques, lignocelluloses fermentation,
Chaetomium cellulolyticum 5310.
ornithine containing lipids, Thiobacillus thiooxidans 5024.
penicillios 2667.
penicillios acids 4831.
pyrolysis products, identification, Bacillus 5052.
Mass transfer, Mannitol, inhibition ethanol fermentation, corn, Saccharomyces cerevisiae 2678. Lactobacillus piantarum biodegradation, Phaseolus vulgaris beans, Lactobacillus cellobiosus fermentation 7003. 
Mannitol-1-phosphate dehydrogenase, purification, characterization, Escherichia coil 8555.

D. Mannitol-1-phosphate dehydrogenase, carbohydrate composition, Microellobosporia grisea, structure-activity relationships, antitumor activity, solid tumors, mice 4376.

Pl.4-Mannotoligosaccharide, biosynthesis, mannans bioconversion, Streptomyces β-D-mannosidase 1745. 
Mannose. biosynthesis, mannans bioconversion, orreportives p. Mannose, Conjugates, nodules, Glycine max, Bradyrhizobium japonicum 6362. Fusanum oxysporum fermentation 186. Fusanum oxysporum fermentation 186. lovels, candidiasis, gas-liquid chromatography, man, rats 2536. cr-D-Mannosidase, production, Nocardia erythropolis 914. β-D-Mannosidase, activoryocetas, hydrolysis, mannans, Cocos nucifera 8604, enzymatic activity production, Celtulormonas growth, carbohydrates substrates 32. Streptomyces, β-1,4-mannooligosaccharide biosynthesis, mannans bioconversion 1745. Mass transfer, enzymes bioreactors, mathematical models 6026. Masserina aquatica, infection, wood, antagonism, fungi 2110. Mastitis,
animal isolates, antibiotic resistance, Streptococcus agalactiae, Staphylococcus
aureus, Streptococcus 9083.
aureus, Streptococcus 9083. cattle, Staphylococcus aureus isolates, enterotoxins production, coagulase analysis 231. Manochioramine,
Miniedants, antibacterial activity, antifungal activity 5865.
Mensome uniformie,
Mensome uniformie,
Mensome arraysis 231.

arraysis 231.

streptococcus, antibiotic sensitivity testing, buffatoes 4810. clinical isolates, Staphylococcus, Streptococcus, antibiotic sensitivity testing, buffaloes 4810.

disease control, correlation, cow's milk, penicillin, quinaldofur, antibacterial activity, Staphylococcus, Streptococcus 5773.

disease control, milking machines, cattle 571.

disease control, milking machines disinfection, cattle 9260.
prophylaxis, iodine, teat dips, cattle 4959.

\*\*Rathematical models,
activated sludge 6692.
activated sludge, digestion (anaerobic), kinetics, wastewater treatment 4900.
activated sludge kinetics, 544.
asynchronous cell division, continuous culture, Escherichia coli 9294.
asynchronous cell division, continuous culture, Escherichia coli 9294.
bacteria, energy requirements, nutrient requirements, association, monomers biosynthesis, excretion 8512.
bilimass, age distribution, Incruentation 6129.
bulking, sedimentation, flocculation, activated sludge 6687.
carbon cycle, nitrogen cycle, soil microorganisms 9393.
carbon cycle, nitrogen cycle, soil microorganisms 5536.
cell culture, bacth culture, Saccharomyces cerevisiae 8503.
celliulase activity, measuring techniques 911.
celliulotytic erzymes, hydrohysis, wood, Populus 8539.
chemostats, microorganisms 9269.
computer applications, glucose nutrient deficiency, growth, Escherichia coli 4173.
computer applications, growth, bacteria 4172. isolation, antifungal activity, role disease résistance, Ceratocystls ulmi, Dutch elm disease, Ulmus americana 3926. Manure,
aflatoxin B1 levels, temperature, humidity effects on, chickens 6208.
chickens, digestion (anaerobic), waste treatment, methanogenesis, immobilized
cells 7518. composts, soil amendment, effects on population levels, soil microorganisms 3972. composas, son amenoment, effects on population levels, son imcroorganist digestion (aerobic), effects on nutritive value, feeds, chickens 6201. digestion (aerobic), waste treatment 9230. digestion (aerobic), thermophilic bacteria, mesophilic bacteria, methane production 7523. production 7523.
digestion (anaerobic), waste treatment, cattle 9226.
effects on, nitrogen inxation, soil, Triticum aestivum, Oryza sativa 6384.
effects on riticosphere soil composition, Tribcum aestivum, Oryza sativa 2996.
methanogenesis, digestion (anaerobic), reactors design 5824.
pigs, y radiation inactivation, viruses 4087.
slumies, chickens, methanogenesis 7306.
soil amendment, fecal coliforms, coliforms, drainage, water quality, crop fields 6709.
starter cultures, waste treatment, methanogenesis, methanogenic bacteria 2340.
Maraamiellus,
stalk rot, leafspot, Zea mays, Mexico 8794.
Marasmiellus ramealls,
3-methoxycarbonyl-7-formyl-1-benzoxepin-5(2H)-one isolation, synthesis 5253.
Marasmius androsacous,
competition, Mycena galopus, decomposition, leaf litter, Onychiurus latus grazing
effects on, Picea stichensis 8940.
vertical distribution, soil, Onychiurus latus grazing effects on, forests, Picea
stichensis 8939. 6709 4172.
computer applications, growth, bacteria 4172.
continuous culture, fermentation, ethanol production 6137.
continuous culture, fermentation, oscillations, levels, substrates, biomass 5280.
diffusion, immobilized cells, microorganisms, factors affecting 1528.
diffusion (anaerobic), monitoring, computer applications, wastewater treatment
6705. 6705.
digestion (anaerobic), wastewater treatment 9235.
digestion (anaerobic), wastewater treatment, bioreactors 558.
digestion (anaerobic), wastewater treatment, bioreactors 558.
diseases pread, plant diseases, phytopathogenic fungi 7127.
dispersal, spores, Bacillus thuringiensis 3544.
dissolved oxygen diffusion, activated studge 9239.
dissolved oxygen investion, activated studge 9690.
dissolved oxygen, oxygen consumption, activated studge 6690.
dissolved oxygen, transfer, kinetics, fermentation 6118.
ectomycorrhizas colonization, roots, forestry 5577.
energetics, Escherichia coli blomass formation, bioreactors 588.
epidemiology, plant diseases 8766.
ethanol fermentation, immobilized cells fermenters 156.
fermentation, continuous culture, ethanol production, oscillations, Saccharomyces cerevisiae 6119.
errmentation, continuous culture, ethanol production, oscillations, Saccharomyces cerevisiae 6119. verucal distribution, soil, Onychiurus latus grazing effects on, forests, sitchensis 839.

Marek's disease virus, infectious bursitis virus, herpesvirus (turkey), live combined vaccines production, embryo fibroblasts, chickens 7486.

Maridomycin, antihaevasid statistic Conversion of the combined vaccines production.

production, elimityo iurizoiaisis, cinicieris 7-ee.

Meridomycin,
conversion, antibacterial activity, Serratia marcescens 3161.

Merine bacteria,
biodegradation, putrescine, cadaverine, sea water, media (culture) 3676.
preservation, iodine, solutions 6760.
toxicity, petroleum, photooxidation 6664.

Marine environment,
bacteria, fouling organisms, species composition 1040.
chemical pollution toxicity, genetic engineering microorganisms release, role,
biodegradation 3681.
enterovirus levels, measuring techniques 2390.
indicator species survivation, waste water 1499.
indicator species survivation, waste water 1499.
indicator species survival, Escherichia coli, Streptococcus 2395.
isolates, Pencilitium, yeasts, biodegradation, oil 7310.
isolation, Vibrio parahaemolyticus, media (enrichment), media (isolation) 7619.
oil spilis, biodegradation, enzymes, microorganisms 180.
samplers, bacteroplankton, water stratification 1611.
sediments, indicator species, isolation, Streptococcus, incubation temperature Gerevisiae o 12.0. fermentation, thermodynamics, Clostridium 3549. films formation, pure culture, mixed culture, fermenters, microorganisms 9270. films, substrates kinetics, wastewater treatment, microorganisms 1461. gibberellic acid biosynthesis, whey fermentation, Fusarium moniliforme 5970.

termentation, continuous culture, optimization, methodology 7805. lermentation, continuous culture, optimization, methodology 7805. lermentation, laboratories, correction 2676. termentation, monitoring 6139. lermentation, optimization, computer applications 6133. lermentation, proteins distribution, flow cytometry, growth, Saccharomyces cerevisiae 6126.

athematical models, (continued) glucose metabolism, single-cell protein production, Chaetomium cellulolyticum 5958.

5958.
growth, termentation, glucose metabolism, Saccharomyces cerevisiae 6121.
growth, termentation, glucose metabolism, Saccharomyces cerevisiae 6121.
growth, Michaelis-Menten parameters, microorganisms 7654.
growth, population dynamics, microorganisms 5953.
heat production, composts, Basidiomycetes 4463.
immobilized enzymes, immobilization methodology, supports, penetration 8550.
kmetics, Trichoderma hydroflysts cellulose, glucose formation 1798.
Lactobacillus casei, tetrahydrofolate dehydrogenase inhibition, X-ray diffraction 4229.

mass transfer, enzymes bioreactors 6026.
mass transfer, glucose isomerase, immobilized enzymes, reactors, Streptomyces
5168.

mass transfer, arzymes bioreactors 6026.

mass transfer, glucose isomerase, immobilized enzymes, reactors, Streptomyces 5183.

measuring techniques, harvesting machinery, association, aerosols, particulate pollution, microorganisms 3229.

methane production, bacteria, animal wastes fermentation, kinetics 9033.

methanogenesis, digestion (anaerobic), animal wastes, chickens 8394.

microorganisms growth, kinetics, association, fermentation 2530.

monitoring, computer applications, fermentation 6115.

monitoring, computer applications, fermentation 6115.

monitoring, methanogenesis, digestion (anaerobic) 5702.

nitrification inhibition, arsenic, chromium, fluoride 2358.

nitrogen cycle, soil microorganisms, forests 8146.

optimization, ethanol production, fermentation, bioreactors, Saccharomyces carevisiae 6138.

optimization, fermentation, production, glutamic acid, ethanol, Saccharomyces carevisiae, Brevibacterium divaricatum 5964.

pasteurization, oil, emulsions, antimicrobial activity, bacteria, biodeterioration 1297.

phytopathogenic fungi, host-pathogen interactions, population density, disease resistance, plant diseases 2772.

production, aectone, butanol, ethanol, Clostridium acetobutylicum 976. proteins hydrolysis, proteinase, immobilized enzymes, bioreactors, crop residues, Penicillium duponii 3475.

Rhizopus thailandensis, immobilized cells, bioreactors, exon-1-4-2-0-plucosidase, production 7729.

single-cell protein production, palmastion, cost-benefit analysis, fermentation, Hansenula polymorpha, Methylomonas 5963. statistical analysis, fermentation of 141.

sulfur removal, coal, Thiobacillus ferrooxidans 5694.

surfaces colonization, continuous culture, Pseudomonas aeruginosa 5059. transient microorganisms, growth 587.

wastewater treatment 9222.

yogur production, lactic acid bacteria 6190.

\*\*Lating facetor\*\*, puritication, animo acid sequence, Saccharomyces kluyveri 3410.

\*\*Lating facetor\*, puritication, animo acid sequence, Saccharomyces kluyveri 3420.

\*\*Lating facetor\*, puritication, animo aci

izottile, surgery, oral hygiene effects on, dental plaque, gingivitis, man 6726. 
Isryonnaise, salad dressings, microorganisms contamination 7847. 
ICCoy cells, cycloheximide treatment, +periodic-acid-Schiff stain, use, diagnosis isolation, 
Chlamydia trachomatis 3294. 
monolayers, Chlamydia trachomatis cell culture, recovery methodology 1602. 
monolayers, use, Clostridium difficile toxins detection 4478. 
trifugoperazio, inhibition, chlamydia trachomatis, infectivity 450. 
use, isolation, cell culture, Chlamydia trachomatis, methodology 790. 
DCK cells.

unuoperazine, immonor, ciaemyota razionnais, infectivity 400.

Box, cells, veragami, inhibition, influenza A virus, replication 8331.

leals, corn, termentation, vitamins levels, lactic acid bacteria 5356.

Gossypium hirsutum seeds, food contamination, aflatoxins, detoxification methodology 7081.

peanuts, aflatoxins food contamination, decontamination methodology use methylamine+ calcium hydroxide 7097.

peanuts, corn, detection aflatoxins food contamination, methodology comparison 7956.

7066. rapessed, glucosinol, goitrin, biodegradation, Bacillus cereus, Trichosporon cutaneum 1042. soybeans+com, lermentation effects on amino acid composition, lactic acid bacteria 5357. soybeans+com, fermentation effects on nutritive value, minerals, lactic acid bacteria 5355. soybeans, cottonseed, Aspergillus flavus aflatoxins production 3746. soybeans, Rhizopus oligosporus fermentation, characterization 7016. seales virus.

easies virus, antiviral activity, pyrazolo[3,4-d]pyrimidine-4(5H)-selone nucleosides

9119. budding inhibition, role, trifluoperazine, chlorpromazine 471. budding inhibition, role, trifluoperazine, chlorpromazine 471. hemagglutinins, immunoglobulin G detection, enzyme immunogasay methodology 8442. immunity detection, enzyme-linked immunosorbert assay, man 4168. immunoglobulin M detection, monoclonal antibodies use, immunoassay, man 644. infected cells, potassium thiocyanate, staining, removal, use, immunofluorescence 1538. 1538

proteins, isoelectric focusing 2558. purification, tissue culture, HeLa cells 5005

bacteria contamination, spoilage, sampling, methodology 3715. bacteria growth, temperature range analysis 1061. contamination, bacteria enumeration methodology, ATP measurements 3304.

Meat, (continued)
food contamination, Cryptococcus laurentii var.laurentii, effects on flavor,
association freezing 3702.
food contamination, moltds, growth conditions 6193.
freezing, bacteria enumeration methodology 1060.
isolates, arimal isolates, Salmonella antibiotic resistance 6441.
isolation, Salmonella, serotypes, biotypes 6963.
iactic acid bacteria food contamination, reviews 209.
production, starter cultures 5322.
reprocessing, bacteria contamination, poultry 2738.
spoilage, bacteria contamination, poultry 2738.
spoilage, bacteria, refrigeration 3712.
spoilage, bacteria, refrigeration 3712.
spoilage, bacteria, role food poisoning 3713.
spoilage, contamination, bacteria, books 4242.
spoilage, microorganisms, books 1689.
vacuum packaging, lactic acid bacteria, taxonomy (numerical) 4446.

vacuum packaging, lactic acid bacteria, taxonomy (numerical) 4446.

eat Industry,
by-products, contamination 3710.

by-products, contamination 3710.
by-products, contamination 3710.
cleaning systems, bacteria contamination, carcasses, turkeys, meat industry 1053.
food processing, bacteria contamination 3708.
food processing, poultry, hygiene, bacteria contamination 3707.
food processing, poultry, Staphylcococus aureus contamination, biotyping 6179.
hygiene, contamination, sampling 3714.
industrial effluents, wastewater treatment, bioreactors, anaerobic conditions, pH, temperature, chemical oxygen demand effects on 3196.
poultry carcasses, contamination, coliforms 1051.
wastewater treatment, reviews, bibliographies 4912.
feat production,
pork, microorganisms counts 7841.

pork, microorganisms counts 7841.

leat products,
cured products, food processing, spoilage, contamination, bacteria 3708.
dry, flavor compounds production, role microorganisms 3700.
lactic acid bacteria food contamination, reviews 209.

poultry, bacteria contaminaturi, reviews 209.
poultry, bacteria contaminaturi 1049.
poultry, spoilage, sychrotrophic bacteria, temperature, shelf life 6972.
quality, aminos detection, bacteria food contamination 6196.
starter cultures, lactic acid bacteria 6961.
starter cultures, Penicillium 7540.

Statier Cultures, Perinaman 17990.
artiblacterial activity, Inhibition, β-lactamase 6532.
artiblotic sensitivity testing, Escherichia coli 7440.
Citrobacter freundi resistance, inodence 6416.
effects on Escherichia coli Cell division, conditional mutant 3102.

ledia; agar, comparison, anaerobic bacteria identification methodology 1644. agar, novobiocin susceptibility, Staphylococcus aureus 1422. antibiotic sensitivity testing, production 9152. 2;2-azino-di(3-ethyl benzhitzaoline-6-sulfonic acid)+horseradish peroxidase, bacteria detection, hydrogen peroxide production 5900. blood culture, bacterieria detection, Bactec test 7572. blood culture, comparison 7626. bromide, Actinosporanglium vitaminophilum pyrrolomycin F derivatives biosynthesis, antibacterial activity, antifungal activity 2295. Butyribacterium methylotrophicum, use, titanium(III) nitrilotriacetic acid 769. comparison, serum bactericidal activity, antibiotic sensitivity testing. Staphylococcus aureus, infection, man 4788. effects on Streptococcus group D cephalosporins antibiotic sensitivity testing 3095.

fermentation, Bacillus thuringiensis, sporulation, toxins biosynthesis 6070. fibrinogen agar, Staphylococcus aureus enumeration methodology, food contamination 6183.

comamination 6183.
gelatin agar, methodology, use, detection, anaerobic bacteria gelatinase 2457.
liquid culture, Candida comparison Trichomonas vaginalis, isolation 8482.
methylcellulose, use, plaque assay, murine leukemia virus 2444.
methylcellulose, plaque assay, murine leukemia virus 2444.
identification 5050.
utitianis, victoramicia kinemitation.

nutrients, tobramycin biosynthesis, Streptomyces cremeus subsp.tobramycini 2313. oxidation fermentation, acid production detection, Neisseria, Branhamella catarrhalis 1658.

peat hydrotysates, Aureobasidium pullulans, pullulan biosynthesis optimization 6055.

6055.
Spiroplasma citri, stunt Spiroplasma, growth, methodology 3266.
Spiroplasma citri, stunt Spiroplasma, growth, methodology 3266.
Synthetic, growth, fungi, gram-negative bacteria, use, antibiotic sensitivity testing 9155.
use, antibiotic sensitivity testing, bacteria 9151.
use, detection, bacteria biodegradation heparin, chondroitin sulfate 9293.

use, operación, paterna biodegitadador repatiri, citoridodiri sanate 9290.

Media (culture), agar, photooxidation, Campylobacter fetus 4210.

Alternaria carrhami sporulation, induction methodology 4223.

amino acid composition 1536.

amino acid composition, gas chromatography 6733.

anaerobic bacteria, anaerobic conditions, production, association, magnesium

aniline blue, Legionella, identification 715.
Bacillus amyloliquefaciens, endodeoxyribonuclease BarnH1, production 8549.
Bacillus sphaencus, growth, sporulation, larvicides activity 127.
bacteria 4187.

bacilius spinatricus, growin, sporulation, larvicides activity 127, bacteria, hyaluronidase activity determination, turbidity methodology 3265, bacteria, hyaluronidase activity determination, turbidity methodology 3265, bacteria, oxygen adsorption rates, aeration column, sewage treatment 3291, bagasse hydrolysis, single-cell protein production, mathematical models, cellulolytic bacteria 4353, batch culture, inoculum production, Rhizobium leguminosarum var.phaseoli 5058, biochemical analysis, automated methods, monitoring, fermentation 6142, biotin biosynthesis, Rhizopus delemar 3579, blood culture, bacteremia detection 1604, carbon sources, effects on autolysis, dairy starters, Streptococcus group N 2733, chemical composition, colonial characteristics, Neisseria gonormoeae 3341, Chiamydia trachomatis, +temperature, effects on storage 3079. Clostridium sporogenes spores 4207. Clostridium sporogenes spores 4207. Clostridium metimical culturum 7602. composition, effects on, Streptomyces griseus, Streptomyces lactamdurans, cephamycins, biosynthesis 6517. cottrimoxazole, drug sensitivity testing, bacteria 2217.

Media (Isolation), (continued)
Clostridium difficile, identification, toxins detection 229.
comparison, Neisseria gonorrhoaea clinical isolates recovery 1577.
comparison, Ureaplasma urealylicum, Mycoplasma, identification, isolation 658.
detection, Lactobacillus brevis, spoliage, beer 4414.
Frankia, actinorrhizas 8471.
fresh water, Serratia 7536.
Haemophilus ducreyi, clinical isolates, methodology 771.
Haemophilus ducreyi, crowth, methodology 6780.
Haemophilus equigenitalis, contagious equine metritis, methodology 3307.
Lactobacillus bulgaricus, Streptococcus thermophilus, vogunt 7006.
media (enrichment), Vibro partalemotylicus isolation, marine environment 7619.
methodology, Legionnaire's disease diagnosis, man 4203.
miki agar, Bacillus spore germination, heat activation, enumeration 1911.
Moraxella bovis, keratocomjurination, heat activation, enumeration 1911.
Shipella, sodium+RNA containing 3926.
Sodium azide, membrane filtration, indicator species, water, Streptococcus bovis
5054. Media (culture), (continued) drug sensitivity testing, methodology, bacteria 7629. effects on pathogenicity, Corynebacterium sepedonicum, ring rot, Solanum tuberosum 7999. B491
hemagjlutinins biosynthesis, Bordetella pertussis 9312, hypertonicity, EACTEC test, detection, Haemophilus influenzae 698. Identification, plasmids curing, lactose fermentation, temperature effects on, Streptococcus lactis 7864. Inoculum, fungi, plant diseases field trials 5400. instant potatoses, clinical microbiology, fungi 811. Legionelia pneumophila isolation methodology, guinea-pigs Injection, water supplies contamination 4211. Iliquid culture, agitation equipment, fermenters 5874. Iliquid culture, glucose ammonium tartrate, degradation, sterilization, autoclaves 1931 production. Bravilharderium 4780. 5054.
sodium taurocholate, Clostridium difficile spores, feces 688. urogenital tract, Ureaplasma urealyticum, Mycoplasma 1865. Vibrio isolation, qualify control, statistical analysis 1622. water pollution, Salmonella 5857. yeasts 4225.
Yersinia enterocolitica recovery, environments 9327. Yersinia ruckeri 9328. Yersinia enterocolitica recovery, environments 9327.
Yersinia ruckeri 9328.

Media (selective),
Actinobacilius actinomycetemomitans 710.
bacteria quantification, cystic fibrosis, sputum 7588.
Bacteroides fragilis, isolation, identification 3355.
Bacteroides fragilis, isolation, identification 3355.
Bacteroides fragilis, isolation, identification 3355.
Bacteroides (sue, vancomycin, antibacterial activity 3125.
Campylobacter jejuni isolation, feces isolates 5035.
Campylobacter, oxidase bacteria growth 1654.
Corynebacterium isolation 5031.
Cryptococcus neoformans var.neoformans, Cryptococcus neoformans var.gatil 8/
Escherichia coli, coliforms 9900.
fecal coliforms, coliforms, gelatin 1901.
Gaeumannomyces graminis var.tritici 4218.
Haemophilus pleuropneumoniae 739.
Heterobasidion annosum assays, roots 2111.
Isolation, Campylobacter jejuni, growth frozen food 8704.
isolation, Pasteurella multicida, pigs 5912.
isolation, Pseudomonas aeruginosa 6783.
+ latex agglutination, defection, identification, Streptococcus group B 1609.
Legionella pneumophila, sputum, diagnosis, Legionnaire's disease 3336.
Listeria 3314.
Listeria 3314.
Listeria 3314.
Listeria 3314.
Listeria 3319.
Versitios descriptions described instales recovers, 1594. iliquid culture, glucose ammonium tarrate, degradation, sterilization, autoclaves I (iliquid culture, glucose ammonium tarrate, degradation, sterilization, autoclaves I) spine production, Brevibacterium 6769.

manganese, nutrient requirements, patulin biosynthesis, Penicillium urticae 5796.

marine bacteria, biodegradation, putrescine, cadaverine, sea water 3676.

methodology, gram-negative bacteria, urine isolates, man 1588.

Mycobacterium isolation, Bactec test comparison 1581.

mycorhizas, morphology, classification, isolation, growth, reviews 4626.

mycotoxins detection, Aspergillus, Penicillium 5368.

Neisseria gonorrhoeae, methodology 7605.

Neisseria gonorrhoeae, penicillin resistance, β-lactamase production 718.

nutrient requirements, armino acids, vitamins, Bacillius thuringiensis subsp. galieriae 7603.

nutrient requirements, Eretinus edodes 823.

peat hydrolysates, production, biomass, single-cell protein, Agaricus campestris, Morchella esculenta 8807.

phosphate, buffers, effects on, lactc acid bacteria, Streptococcus, antibiotic resistance 5708.

polyols, gels 6768.

polyols, gels 6768.

polyols, gels 6768.

polyols, gels grant supplierus subsp. israelensis, powder 3562.

proteus, ambibotic sensitivity testing, methodology 433.

penipilation supplierus subsp. israelensis, powder 3562.

Proteus, ambibotic sensitivity testing, methodology 433.

pengelation supplierus subsp. israelensis, production 7617.

Rhizobium, nodulation, legumes, nitrogen fixation, reviews 4657.

Saccharomycos cerevisiae, oil cake extracts, Gylcine max 8485.

semisynthesis, Propionibacterium acnes, production, polysaccharides, methodology 1570.

Spiroplasma, nutrient requirements, methodology 1570. Legionella pneumophila, sputum, diagnosis, Legionnaire's disease 3336. Listeria 3314. Methodology, gram-negative bacilli recovery, feces, man 3302. methodology, traisnia enterocolitica clinical isolates recovery 1594. Pasteurella multocida 2507. Pasteurella multocida 2507. Pasteurella fundicoria 2507. Pasteurella fundicoria 2507. Pytyophthora cliniamomi, detection, Persea americana roots 5932. Pseudomonas, fuorescence pigments production 7608. Pseudomonas syringae var.savastanoi, methodology 7591. Pythium isolation, soil, Saccharum officinale roots 1993. Salmonella, isolation, methodology 7592. Pythium isolation, soil, Saccharum officinale roots 1993. Salmonella, isolation, methodology 7528. spirochaetes, isolation, ixodes dammini, Lyme disease association 2494. Staphylococcus areus 5071. Streptococcus 2490. Streptococcus 2490. Granada medium 3320. Trichoderma, Fusarium, soil isolation 797. use, trimethoprim, isolation, Campylobacter fetus subsp.jejuni 1589. Vibrio parahaemolyticus detection 777. Xanthomonas campestris pv.campestris, isolation, Brassica seeds 4199. Yersinia enterocolitica, feces 709. Media (transport), anaerobic bacteria, reviews 7610. Campylobacter fetus subsp.jejuni, comparison, feces, man 3309. Chlamydia pstitaci, clinical isolates 4206. isolation, pathogens, traveller's diarrhea, methodology 9309. sodium borate, comparison, chloramine-T, Mycobacterium bovis 665. swabs, isolation, Chlamydia trachomatis, diagnosis, sexually-transmitted diseases, man 5307. urine preservatives, bacteriuria diagnosis 1608. Viruses, culture collections, methodology 2442. semisynthesis, Propionibacterium acnes, production, polysaccharides, methodol 110.

Spiroplasma, nutrient requirements, methodology 1570.

Sporulation, Clostridium perfringens 6757.

Stachybotrys chartarum, verrucarin J biosynthesis 7072.

Staphylococcus, clinical isolates, 8-lactamase, production, screening, methodology 3350.

Staphylococcus identification methodology, novobiocin resistance 1318. suffite, Candida utilis 5935.

Hermophilic microorganisms, use, GELRITE, gum 3335.

Trichoderma reesei +Aspergillus wentii mixed culture, association, production, cellulase, hemicaliulase 1736.

Trichoderma reesei enzymes production 1803.

Trochoderma reesei enzymes production 1803.

Trichoderma reesei enzymes production 1803.

Trichoderma reesei enzymes production 1803.

Trichoderma reesei enzymes production, interaction, Metarhizium 5634.

use, diagnosis, Streptococcus agalactiae, methodology 3225.

use, dientification, anaeorobic bacteria, methodology 2519.

yolk, agar, enumeration, Clostridium sporogenes, spores, methodology 674.

Medic production of the produc urine preservatives, bacteriuria diagnosis 1608. viruses, culture collections, methodology 2442. Medicago disease resistance, varieties, plant breeding, scorch, Kabatiella caulivora 6291. nitrogen fixation, Phizobium mellioli, acetylene reduction 4666. nitrogen fixation, symbiosis mutants, genebic control, Phizobium mellioti 5676. pasture, root rot, phytopathogenic fungi 6233. silage, fermentation, acid production, water content, time effects on 2745. 1470.

1470.

13olation, Campylobacter fetus subsp.jejuni 2517.

13olation, Geses, Clostridium difficile 8469.

Legionella pneumophila, Acanthamoeba polyphaga, host-pathogen interactions, isolation methodology 2485.

liquids, Campylobacter jejuni isolation 5049.

media (isolation), Vibrio parahaemolyticus isolation, marine environment 7619.

membrane filtration, Salmonella typhi, indicator species, water 4935.

methodology, Salmonella isolation, sewage contamination water 9259.

microbial pollution, Salmonella, water pollution 4176.

microorganisms biomass production, slurries 7508.

Salmonella recovery, feeds, pyruvic acid effects on 3322.

screening, Tichoderma resees, catabolite repression, resistant mutant, cellulase, production 1797.

termophilic bacteria, Campylobacter, isolation, water 6754.

Redia (isolation),

Actinomycetes, methodology 775. silage, rementation, acid production, water content, time effects on 2745.

Medicago littoralis,
crop residues, soil amendment, decomposition, soil microorganisms 5685. crop residues, soil amenament, decomposition, soil intercorganisms 3003.

Medicago astiva,
agglutnins, nodulation, cell surface, Rhizobium melitoti, strains 5651.
callus culture, susceptibility, Phytophthora megasperma 4507.
cell lines, polyplioty, regeneration, disease resistance, toxins, Fusarium oxysporum f.sp. medicaginis 5494.
cell walls, solubilization, enzymes, Ruminococcus albus 5117.
Corynebacterium insidiosum wilit, disease resistance effects on phosphorus uptz 3879. 3879.

3879.

cucumber mosaic virus infection, etiology, disease transmission 2787.

cucumber mosaic virus infection, etiology, disease transmission 2787.

cytogenetics, Verticillium albo-atrum wilt disease resistance 2884.

disease resistance, anthracnose, Colletotrichum trifoli 5499.

disease resistance, leafspot, screening 8087.

fermentation, lactic acid bacteria effects on 3723.

Fusarium infection, epidemiology, British Isles 1971.

Glomus mosaea evisicular-arbuscular mycorrhizas, interaction, phosphate fertilizers 3946. lecia (isolation),
Actinomycetes, methodology 775.
agar tubes, Salmonella 2503.
anaerobic bacteria, blood culture 2482.
beer spoilage bacteria 4192.
Campylobacter fetus 4201.
Campylobacter fetus 4201.
Campylobacter fetus 4201.
Campylobacter isolation, Larus feces 4205.
cell culture, 2-bromovinyi-2"-deoxyuridine sensitivity, herpes simplex virus 1, herpes simplex virus 2, clinical microbiology 607.
cephalexin containing, Bordetella bronchiseptica 7596. growth, phosphorus, nutrient uptake, nitrogen fixation, Rhizobium meliloti, inoculation effects on, vesicular-arbuscular mycorrhizas 8221. growth, Rhizobium meliloti+vesicular-arbuscular mycorrhizas, effects on 6341.

Sleago sativa, (continued)
ost-pathogen interactions, disease resistance, Phytophthora megasperma 8887.
ydroxyproline content, cell walls, association, wilt, Verticillium albo-atrum,
icopenbacterium michiganense pv.insidiosum 7928.
icose proteins, fermentation, lactic acid bacteria 3722.
safspot, Stemphylium, Australia 5435.
ittogen fixation, leghemoglobin, nodulation, biomass 2961.
ittogen fixation measurements, field trials, Sweden 9011.
ittogen fixation, nodulation, soil moisture effects on 2165.
ittogen fixation, Rhizobium mellioti symbiosis, calcium, magnesium effects on 2960.
ittogen-fixing bacteria symbiosis, characterization 1279.
odulation, intectivity, role polysaccharides, extracellular polymers, Rhizobium mellioti 6372.
odulation, firactivity, role polysaccharides, extracellular polymers, Rhizobium mellioti fixation.

nitrogen fixation, nitrogen-15, acetylene reduction, hydrogen gas production, environmental chambers 2986. dictal dressings, dictal dressings, surfaces hydrophobicity, cell adhesion, Staphylococcus epidermidis 8428. dictal equipment, issipation, disease control 1517.

dical equipment,
ilisinfection, disease control 1517.
terilization, ethylene oxide 1361.
terilization, ethylene oxide 8341.
terilization, ethylene oxide 8341.
dical Instruments,
fental manipulation, sterilization, bioassays, spores, Bacillus subtiliis,
Bacillus stearothermophilus 7545.
ubricants, effects on isolation, Chlamydia trachomatis, Neisseria gonorrhoeae,
genital tract 697.
dical personnel,
hysical activity, effects on airborne microorganisms levels, operating theaters
6720.

dicarpin,
roduction, Sophora japonica leaves, Helminthosporium carbonum inoculation 1131.
dicinel plants,
xtracts antibacterial activity, Bacillus subtilis, Micrococcus luteus,
Staphylococcus aureus 4012.
lavanones antibacterial agents, isolation, new records 1328.
stant extracts, antifungal activity, aflatoxins biosynthesis, Aspergillus flavus
7897.
dicine,
containers, pathogens contamination, nosocomial environments 1503.
gaselle halterata,
rosasveness, Basidiomycetes, pest control 8109.
subtreaks, culture, Agancus brunnescens 6278.
gasphaera etadenii,
surynt-CoA dehydrogenase, substrate specificity, kinetics 3460.
lavodoxin active centers, redox potential, N.M.H. 7665.
lavodoxin active centers, redox potential, N.M.H. 7666.
lavodoxin active cent

2645.
roduction, Microdochium bolleyi 8626.

kanogrammus eeglefinus,
seafood, cold storage, isolation, gram-negative bacteria, psychrophilic bacteria lanoidin,

Islancidin,
John Chroval, enzymes, intracellular levels, Coriolus 3471.
Islanceptus sanguinipee,

Melilotus officinalis, sweet clover necrotic mosaic virus isolates, new records, characterization 4523. Melinia minuttifora, mycorthizas, factors affecting 8979. Meloidogyne, cross-resistance, disease resistance, Solanum sparsipilium, wilt, Pseudomonas solanacearum 8097. infection, -Fusanum wilt, disease resistance, plant breeding, Lycopersicon esculentum 2604.

esculentum 2864, pest control, soil properties, peshcide residues effects on, Arthrobotrys irregularis 5218.

Meloidogyne arenaria, incidence, tobacco post-harvest decay, USA, South Carolina 3852.

Meloidogyne incognita, interspecific relationships Fusarium oxysporum f.sp.vasinfectum, wilt, soil nutrients uptake, Gossypium barbadense 283. mixed infection, -Fusarium oxysporum f.sp.lycopersici, pathogenesis, Lycopersicon esculentum 8831.

odulation, infectivity, role polysaccharides, extracellular polymers, Phizobium meliloti 6372.

odulation, Rhizobium inoculation 5663.

lant breeding, disease resistance, Phoma medicaginis black stem 4572.

lant breeding, inheritance, nodulation, Rhizobium, nitrogen fixation 2979.

https://doi.org/10.1009/10.

5850.
coliforms, drinking water, bacteria interference 2391.
coliforms, indicator species, drinking water, microbial pollution 8421.
coliforms recovery, most probable number, drinking water 6714.
detection, fecal coliforms, water, recreation sites 8418.
enzyme immunoassay, enumeration, Staphylococcus aureus, food, methodology 6968.
Escherichia coli, separation techniques, homogenates, methodology 8473,
isolation, actinomycetes, soil microorganisms 8316.
media (isolation), Bacteroides fragilis, indicator species, water 4935.
media (isolation), actience fragilis, indicator species, water 4936.
media (isolation), actience fragilis, indicator species, water 4936.
media (isolation), sodium azide, water, indicator species, Streptococcus bovis 5054.
portein A. Infection diagnosis, heroes simplex virus, varicella-zoster virus

protein A, infection diagnosis, herpes simplex virus, varicella-zoster virus 5889.

protein A, intercitor diagnosis, retipes simplex white, valuations 5889, recovery, Escherichia colie ya285, recovery, Versinia, drinkling water survival 1494, staining, enumeration, bacteria 9329, sterility, air. gases, leremeters 8505, sterility testing, viruses, pharmaceuticals, veterinary medicine 7395, sterilization 1395.

Membrane fluidity.
Clostridium acetobutylicum, butanol production effects on, lipid composition, Clostridium acetobutylicum, butanol production effects on 1847.
Membrane permeability, antibiotic resistance, ampicillin, Haemophilus influenzae 7338, antibiotic resistance, ampicillin, Haemophilus influenzae 7338, antibiotic resistance, ampicillin, Haemophilus influenzae 7338, antibiotics, antibioticae, moxialactam, Serratia marcescens 2038.
Escherichia coli, mutants, gene mapping, relationship susceptibility, antibiotics, antibioticerial activity 4794, membrane proteins, outer membranes. R factor R124 effects on, antibiacterial activity, Escherichia coli 4724, mutants, IMP excretion, Bervabacterium ammoniagenes 7765.
Pseudomonas aeruginosa, antibiotic resistance, β-lactarm antibiotics 9081.

Pseudomonas aetuginas, aminotuc resistante, praetam interesses embrane potential, fluorescence staining, rhodamine, bacteria live 5025, Phytophthora infestans infection effects on, cells, Solanum tuberosum 2014, protons, ATP stoichiometry, N.M.R., adenosinetriphosphatase, mutants, Escherichia coil 8531.

coli 8531.
protons pumps, fusicoccin effects on, roots, Zea mays 8739.
Prunus persica, cell culture, association, Xanthomonas campestris pv.pruni, toxicity, detection, bioassays 9156.

Membrane proteins, aldehyde dehydrogenase purification, characterization, reconstitution, Acinetobacter calcoaceticus 4236.
Chlamydia trachomatis, detection, immunoassays 753.
influenza virus, rubella virus, liposomes incorporation, vaccines, immunogenicity, rabbits 6650.
outer membranes, cell walls, purification, characterization, Legionella 2561.
outer membranes, membrane permeability. R factor R124 effects on, antibacterial agents sensitivity. Eschericha coli 4724.
outer membranes, ompA gene detection. Enterobacteriaceae, hybridization analysis 1616.

1616

oxaloacetate decarboxylase subunits composition, characterization α-chains transferase activity, Klebsiella aerogenes 1791. purification, outer membranes, Haemophilus influenzae 3412.

Membrane vesicles,
Methanobacterium thermoautotrophicum methanogenesis, cytoplasm cofactors 9035.

Membranede.

Membranede.

association, bacteriocins, molecular weight, Bacteroides uniformis 5793. 
bioreactors, immobilized enzymes, 8-D-galactosidase, Aspergilius niger 83. 
bioreactors, Contarromyces cerrevisiae, ethanol, fermentation 780. 
ilitration, industrial water systems, enzymes cleaning, microorganisms 57. 
poly(letrafluoroethylene), use, Phizopus exo-1,4-e-D-glucosidase 
immobilization 39.

reactors, Bacillus sphaericus leucine dehydrogenase+Candida boidinii formate dehydrogenase, L-leucine production 3. Schizosaccharomyces pombe, lipid composition, sterol composition, drug resistance relationship 3990.

Staphylococcus aureus, lipids metabolism, lipoteichoic acid biosynthesis, role 4266.

synthetic, antibiotics purification methodology 3074, transport, DNA biosynthesis, clazamycin, inhibition 6559, ultrafiltration, immobilized cells, Caldariella acidophila, enzymes thermal stability 764.

Membranes, (continued)

ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, (continued)
ancales, antigens, antibodies detection, enzyme immunoassay

fruit rot, post-harvest decay 8876.

Wolinella succinogenes, spectrometry, N.M.R. 6894.

Wolinella succinogenes, spectrometry, N.M.R. 6894. <u>Mensquinone-6</u>, methylation derivativos, detection, new records, Campylobacter fetus 980. <u>Meningitis</u>, animal models, Escherichia coli, Listeria monocytogenes, antibacterial activity, meziocilim 4884. bacteria, diagnosis, cerebrospinal fluid Phadebact test, man 3321. false-positives, cerebrospinal fluid specimens, bacteria contamination incidence, man 4785. Haemophilus influenzae, epidemiology, ampicillin, antibiotic resistance, man

7314

Haemophilus influenzae type b, Streptococcus pneumoniae, diagnosis, counter immunoelectrophoresis, agglutination, Gram stain, comparison, man 3275. immunodiagnosis, immunoeasays, becteria, man 9292. Mycobacterium tuberculosis, cerebrospinal fluid immunoglobulin G measurement, enzyme-linked immunosorberit assay methodology, man 7590. Mycobacterium tuberculosis, porteins, immunoglobulin G, detection, enzyme-linked immunosorberit assay, cerebrospinal fluid, man 6773. Neisseria meningitidis, Streptococcus pneumoniae, Haemophilus, immunodiagnosis, counter immunoelectrophoresis, agglutination 2488.

Counter immunoeiectroproresses, aggiunnation 2499.
 Mentha piperitta, dahliae distribution, disease resistance, relationship 7204.
 Stercapto-1,2,4-benzothiedlazine-1,1-dloxide, esters, aritimicrobiol activity, synthesis 3070.
 Secretarion, aggiunnation, immunodiagnosis, Haemophilius pleuropneumoniae infection, pigs 7583.

detection, antibodies, immunoglobulin M, tick-borne encephalitis virus, man 7557. ercenarla mercenarla, accumulation, eliminaton, Salmonella typhimurium, Escherichia coli,

accumulation, eminimatori, camoriena typinimunun, escrenchia con, characterization 5314.

ercuric chloride, susceptibility, Mycobacterium avium, Mycobacterium intracellulare, Mycobacterium scrofulaceum 3043.

MyChalauthan additional models of the control of th

Mercury, inorganic compounds, organic compounds, antimicrobial activity 1356. pollution, bacteria biodegradation, resistance 3680. resistance, bacteria, soil microorganisms, gene transfer. R factors 5717. resistance, detoxification, bacteria, clinical isolates, reviews 9071. resistance, effects on, biological properties, Staphylococcus aureus 440. resistance, gram-negative bacilli 9042; resistance, relationship P-lactamase levels, clinical isolates, Staphylococcus aureus 2203. soil pollution, effects on soil microorganisms biodegradation glucose, culorimetry 2933. Merstem tip culture, decontamination, potato virus X, potato virus S, cultivars, Solanum tuberosum 8881.

8881

plant viruses, plant breeding, Solanum tuberosum 3858, plant viruses, plant breeding, Solanum tuberosum 3859.

plant viruses; pant orseung, consumers, and electetms, development, inhibition, Pozizella ericae, mycorrhizas, Calluna vulgaris 5560. leacophillo bacteria, digestion (anaerobic), animal wastes, cattle, wastewater treatment 7519. digestion (anaerobic), animal wastes, methanogenesis 7517. digestion (anaerobic), manure, pigs methane 7523. methanogenesis, sodium acetate 3003.

methanogenesis, sociatini azonate overeceptini, esessivity, esessivity, cells, Vigna unquiculata, infection, tobacco mosaic virus, tobacco necrosis virus, pathogenesis 62/25.

Nicotiana tabacum, protoplasts, tobacco mosaic virus coat protein, mRNA characterization 286.

+amphotericin, antibiotic synergism, Candida albicans 7378.

+arriphotericin, antibiotic synergism, Candida albicans 7378.

\*\*Metalaxyi, antifungal activity, Phytophthora cinnamomi, plant diseases, roots, Persea americana 8923.

\*\*arrifungal activity, Phytophthora infestans 6313.

\*\*artifungal activity, Phytophthora parasitica var.nicotianae 8133.

\*\*artifungal activity, RNA biosynthesis, DNA biosynthesis, protein biosynthesis, Phytophthora parasitica var.nicotianae 8135.

\*\*benomyl, ± iprodione, furnigation, comparison, drenches, disease control, Phytophthora fragariae infection, Fragaria 1182.

\*\*captan, seed treatments, disease control, damping-off, downy mildew, Brassica 8141.

8141

cross-resistance, fungicides, Phytophthora infestans, Pseudoperonospora cubens disease control, Solanum tuberosum, Cucumis sativus 2894. disease control, Phytophthora infestans, late bilight, Lycopersicon esculentum

1206.
disease control. Phytophthora infestans, late blight, Solanum tuberosum 8926.
disease control. Phytophthora megasperma, root rot, Brassica oleracea 1225.
disease control. Phytophthora parasitica root rot, Lycopersicon esculentum 5532.
disease control. Phytophthora, root rot, silviculture, seedlings, Pseudotsuga
menzesi 8927.
disease control. Pythium aphanidermatum, blight, Agrostis 8134.
disease control. Pythium, dieback, Daucus carota 8116.
disease control, Soli-borne diseases, Phaseolus vulgaris 1210.
disease control, Soli-borne diseases, Phaseolus vulgaris 1210.
disease control, Theobrama cacao, pod rot, Phytophthora palmivora 5526.
ectomycormitas, Ables frees is seedlings, effects on growth 1234.
effects on, blue mold, Peronospora tabacina, Nicotiana tabacum 8136.
Sorghum bicotor, Zea mays 8126.
Sorghum bicotor, Zea mays 8126.
Toliar applications, disease control, downy mildew, Pennisetum americanum 8137.

Metalaxyl, (continued)
injection, disease control, Phytophthora cinnamomi, root rot, Persea americana 8125

resistan 4549. istance, Pseudoperonospora cubensis, strains, pathogenicity, Cucumis sativus seed treatments, disease control, downy mildew, Peronosclerospora sorghi, Sorghi

seed treatments, disease control, downy mildew, Peronosclerospora sorgh bicolor, Zea mays 8144. sensitivity, Phytophthora 5528. sensitivity, Phytophthora cinnamomi, Phytophthora citricola 5533. soil microorganisms interaction, survival, Phytophthora cinnamomi 2091. etalloproteinase,

etalioproteinase, purification, characterization, Aspergillus oryzae 8578. Vibrio cholerae, purification, characterization 34. letalioproteine, hydrogenase components, nickel, Bradyrhizobium japonicum 6826.

bisis."

bioaccumulation, leaching, reviews, microorganisms 5692.
catechol dioxygenase, binding, substrates 5177.
centers, cytochrome c oxidase, E.S.R., reviews, Saccharomyces cerevisiae 5180 fungi bioaccumulation, wood biodegradation 1030.
ions, effects on Thermomonospora fusca celluliase activity 1804.
leaching, biotechnology, microorganisms 6393.
mining, industrial effluents, microbial pollution 415.
oxidesinibition Phiziobium leguminosarum var.trifolii inodulation, Trifolium 7294.
tolerance, bacteria, antibicitic resistance, drinking water isolates 6433.
toxicity, effects on soil microorganisms biomass 8255.
uptake, soil microorganisms, conferences, books 2543.

Metam. +sodium, use, irrigation, disease control, Verticillium dahliae infection, Solarum tuberosum, effects on yield 1209. Metarhizlum, interaction Rhizobium, media (culture), tropical environment, soil 5634.

interaction Rhizobium, media (culture), tropical environment, soil 5634.

Metarhizium anisopliae,
biological control, oviodes, eggs susceptibility, Perileucoptera coffeella 6910.
biological control, soil colonization, disease reservoirs, Curculio caryae 5263.
biological control, temperature effects on susceptibility, Otiorhynchus suicatus 2650.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

2050.

20

biological control, temperature effects on susceptibility, Otiorhynchus sulcatus 2650.

Metazoa, incidence, industrial effluents, brewer. is 3208. Metaorology, epidemiology, plant diseases 1095. monitoring, plant diseases, epidemiology 1110.

Metham, furnigation, effects on soil microorganisms, crop fields 5681.

Methane, biodegradation, fungi, bacteria, oxidation, reviews 7823. biosynthesis, energy resources, digestion (anaerobic), reviews 8271. composition, hydrogen sulfide corrosion, methanogenesis, digestion (anaerobic)

5701.
electrodes, Methylomonas flagellata, immobilized cells 767.
inhibition, methanogenesis, immobilized cells 7304.
measuring lechniques, equipment, digestion (anaerobic) 7503.
metabolism, production, single-cell protein, amino acids, fuels, methylotrophic bacteria 5706.
oxidation, coal, immobilized cells, Methylmonas rubra 1300.
oxidation, Methylosinus trichosporium, 2-chloro-6-(trichloromethyl)pyridine, effects on 2999.

production, bacteria, animal wastes fermentation, kinetics, mathematical models

production, occos nucífera, agricultural wastes +cattle animal wastes 1487.

production, cocos nucífera, agricultural wastes +cattle animal wastes 1487.

production, crop residues fermentation, reviews, microorganisms 5703.

production, digestion (anaerobic), bioreactors 3557.

production, digestion (anaerobic), bioreactors 3557.

production, digestion (anaerobic), methanogenic bacteria 4116.

production, fermentation kinetics, digestion (nanerobic), bioreactors 4404.

production, fermenters, digestion (anaerobic), thermophilic bacteria,

mesophilic bacteria 7523.

production, maurue, pigs, digestion (anaerobic), thermophilic bacteria,

mesophilic bacteria 7523.

production, wastewater treatment, clostridium butyricum, immobilized cells 1468

production, wastewater treatment, digestion (anaerobic), bioreactors 4110.

quality, methanogenesis, digestion (anaerobic), bioreactors design 5700.

recovery, landfills 9240.

use, reactors design, digestion (anaerobic), animal wastes, methanogenesis 561

dealkylation activity, Methylosinus trichosporium 8547.

Methylococcus capsulatus, Methylosinus trichosporium, intracellular,

localization, nutrient requirements, copper extracellular levels 3007.

Methanobacterium.

Methanobacterium,

remanoacterrum, measurements, enzyme-linked immunosorbent assay methodology 9316. methanogenesis 3984. lethanobacterium formicicum, mixed culture, bacteria, methanogenesis, immobilized cells, sucrose conversion

2182.

Methanobacterium thermoautotrophicum,
coenzyme F420, assays, association, photobleaching, fluorescence decay 6815
factor F430, N.M.R., structure 6071.
formaldehyde oxidation, methanogenesis 4681.
hydrogenase, nickel characterization 6561.
hydrogenase, nickel, iron, characterization 8560.
methanogenesis, coenzymes, 5,10-methenyl-5,6,7,8-tetrahydromethanopterin 4:
methanogenesis, membrane vesicles, cytoplasm cofactors 9035.
methanogenesis pathways, acetic acid biosynthesis relationship 1295.
methanophosphagen, N.M.R., new records 979.
7-methylpterin analysis 1703.

ethanobacterium thermoautotrophicum, (continued)
nickel letrapyrrole cofactor F430 multiple forms, U.V. spectroscopy. mass
spectroscopy 4291.
tetrapyrroles biosynthesis, reviews 4380.
ethanococcus halophilus,
cyanocobaliamin biosynthesis 963.
tetrapyrroles biosynthesis 6095.
ethanococcus jannaschili,
formaldehyde oxidation, methanogenesis 4681.
ethanococcus venniellii,
formaldehyde oxidation, methanogenesis 4681.
ethanococcus venniellii,
robosomes, aminoghycoside antibiotics sensitivity 2237.
ethanococcus vottee,
formaldehyde oxidation, methanogenesis 4681.
ethanogenesis
ethanogenesis
ethanogenesis
sestic acid digestion (anaerobic), inhibition, 2-bromoethanesulfonate 7524.
sostic acid digestion (anaerobic), inhibition, 2-bromoethanesulfonate 7524.
sostic acid digestion (anaerobic), inhibition, 2-bromoethanesulfonate 7524.
sostic acid digestion (anaerobic), wastewater treatment, industrial effluents
9227.
sodi production, straw, lignocelluloses, sodium hydroxide hydrolysis 9032. Methanogenesis, (continued) physicochemical properties, digestion (anaerobic) 5822. redox properties 5695. reviews 4400. teviums 4400.

sludge, digestion (anaerobic) 5844.
sodium acetate, mesophilic bacteria 3003.
USA, biotechnology 6995.
use, Chlorophyta substrates, methanogenic bacteria 2184.
use Oryza sativa residues, lignocelluloses biodegradation, culture, Pleurotus sajor-caju 2697.
volatiles fatty acids, digestion (anaerobic), food processing, industrial wastes waste treatment, starter cultures, manure 2340.
wastes, digestion (anaerobic) 5831.
wastewater treatment, industrial effluents, food processing, com, bioreactors 7510.

Yield assays, biomass, digestion (anaerobic) 5697.

Methanogenic hacteria.

acetic acid digestion (anaerobic), methanogenesis, inhibition,

2-bromoethanesulfonate 7524.

biodegradation, cresoste, contamination, aguifers 5815.

biodegradation, dechlorination, 2,4,5-T 6160.

bioreactors, dicestion (anaerobic), fementation kinetics 4404.

bioreactors, dicestion (anaerobic), fementation kinetics 4404.

bioreactors, matrix, surface properties 421.

biotyping, fementers 7905.

Chiorophyta substrates, methanogenesis production 2184.

coenzyme M biosynthesis 963.

digestion (anaerobic), diagae biomass, methanogenesis production 2183.

digestion (anaerobic), industrial effluents toxicity 1483.

digestion (anaerobic), methanogenesis, food processing wastes, Coffea arabica

7515. sezi. acid production, straw, lignocelluloses, sodium hydroxide hydrolysis 9032. activated sludge, sedimentation, methanogenic bacteria 3203. anaerobic bacteria, mass energy balance 4679. anaerobic conditions, composting, sewage sludge 4102. anaerobic conditions, films, bioreactors, wastewater treatment, thermophilic bacteria 4926. anaerobic conditions, nimis, bioreactors, wastewater treatment, thermophilic bacteria 4926.
anaerobic conditions, wastewater treatment, animal wastes, pigs 9037.
analysis, monitoring, digestion (anaerobic) 5698.
animal wastes conversion, digestion (anaerobic) 5275.
animal wastes, immobilized cells, methanogenic bacteria 4124.
animal wastes, immobilized cells, methanogenic bacteria 4124.
animal wastes, waste treatment 2339.
bacteria inhibition, digestion (anaerobic), methanogenic bacteria 9036.
bacteria inhibition, digestion (anaerobic), methanogenic bacteria 9036.
bacteria inhibition, digestion (anaerobic), accordinate of 167.
cellulose degradation, Acetivibrio cellulolyticus+Desulfovibrio+Methanosarcina barkeri mixed culture 3186.
chickens manure slurries 7306.
digestion (anaerobic), animal wastes, mesophilic bacteria 7517.
digestion (anaerobic), animal wastes, reactors design, methane use 5699.
digestion (anaerobic), animal wastes, reactors design, methane use 5699.
digestion (anaerobic), animal wastes, reactors design, methane use 5699.
digestion (anaerobic), biomass, nitrogen sources effects on, Ulva, Gracilaria blivahlae 63396. organization (anaerobic), methanogenesis, spectroscopy, bioassays 8269, digestion (anaerobic), methanogenesis, spectroscopy, bioassays 8269, digestion (anaerobic), waste treatment, fluorescence, monitoring 4104, energy resources, methanogenesis, biotechnology, USA 6395, formaldehyde oxidation, methanogenesis 4881, genetic engineering, use, waste treatment 4127, genetic engineering, use, waste treatment 4127, and the properties of the proper tikvahiae 6396 nivaniae 6396. digestion (nanerobic), bioreactors design, methane quality 5700. digestion (nanerobic), bioreactors effluents, wastewater treatment 5827. digestion (nanerobic), bioreactors, peat hydrolysis, aerobic bacteria 7303. digestion (nanerobic), books 5940. digestion (nanerobic), tood processing, industrial wastes, use food drying, +solar radiation 7489. methanogenesis, activated sludge, sedimentation 3203. methanogenesis, anaerobic conditions, wastewater treatment, animal wastes, pigs digestion (anaerobic), food processing wastes, Beta vulgaris 6691. digestion (anaerobic), hydrolysis, biomass, Spirulina maxima 1292. digestion (anaerobic), industrial effluents, molasses fermentation 8401. digestion (anaerobic), industrial wastes, use, aquaculture, Basidiomycetes culture 8404. 9037 9037.
methanogenesis, animal wastes, waste treatment 2339.
methanogenesis, biotechnology, China, People's Rep. 6167.
methanogenesis, chickens manure slurries 7306.
methanogenesis, dijestion (anaerobic) 5821.
methanogenesis, dijestion (anaerobic) 5821.
methanogenesis, dijestion (anaerobic), biomass, nitrogen sources effects on, Ulva, Gracilaria tikvahies 6396. culture 8404.

digestion (anaerobic), inhibition, antibiotics residues, feces 8396.

digestion (anaerobic), illipnocelluloses, crop residues 5696.

digestion (anaerobic), methane composition, hydrogen sulfide, corrosion 5701.

digestion (anaerobic), methanogenic bacteria 5821.

digestion (anaerobic), methanogenic bacteria 5821.

digestion (anaerobic), cyraz sativa straw, effects on digestibility, cattle 7875.

digestion (anaerobic), peat, reviews 8273.

digestion (anaerobic), sewage sludge+Spirulina maxima biomass 1293.

digestion (anaerobic), sodium chloride, animitation 6693.

digestion (anaerobic), sodium chloride, animitation 6693.

digestion (anaerobic), sexte treatment, industrial wastes 547.

digestion (anaerobic), waste treatment, industrial wastes 547.

digestion (anaerobic), waste waste waster metament 1825.

digestion (anaerobic), waste waster waster freatment, industrial affluents, food industry 3405. Ulva, Gracilaria tifivahiae 6396.
methanogenesis, digestion (anaerobic), bioreactors, peat hydrolysis, aerobic bacteria 7303.
methanogenesis, digestion (anaerobic), food processing, industrial wastes, use food drying, + solar radiation 7489.
methanogenesis, giaestion (anaerobic), inhibition, bacteria 9036.
methanogenesis, gas production, measuring techniques 3983.
methanogenesis, immobilized ceilis, supports, inhibition, hydrogen, ethane,
methanogenesis, inibibition, phenol, aromatic compounds, digestion (anaerobic),
wastewater treatment 4680.
methanogenesis, nitrogen recycling, bioreactors, biomass, Gracilaria tikvahiae
8272. 8272 methanogenesis pathways, acetic acid biosynthesis relationship 1295. methanogenesis, peat, temperature effects on 8264. methanogenesis, reviews 4400. methanogenesis, sodium chloride, ammonium chloride, inhibition, digestion digestion (anaerobic), wastewater treatment, kinetics, mathematical models 4900. films, utrastructure, anaerobic conditions reactors 6397. food processing wastes, bioreactors, Coffea arabica 7515. formatdehyde oxidation, methanogenic bacteria 4881. gas production, measuring techniques 3983. glucose fermentation, Michaelis-Menten parameters, methanogenic bacteria 8266. hydrogen metabolism, carbon monoxide, carbon sources, Methanosarcina barkeri (anaerobic) 6693.
mixed culture, bacteria, methanogenesis, sucrose conversion, immobilized cells 2182. starter cultures, manure, waste treatment, methanogenesis 2340. tetrapyrroles biosynthesis 6095. toxicity, chloroform, cyanide, industrial effluents, digestion (anaerobic) 2376. toxicity, pulp mills, industrial effluents, biodegradation, digestion (anaerobic) 6669. hydrogenase, characterization, iron, nickel, Methanobacterium thermoautotrophicum 8560. Immobilized cells, digestion (anaerobic), waste treatment, manura, chickens 7518. 
immobilized cells, digestion (anaerobic), waste treatment, manura, chickens 7518. 
immobilized cells, supports, inhibition, hydrogen, ethane, methane 7304. 
industrial effluents digestion (anaerobic), distilleries 2185. 
inhibition, phenol, aromatic compounds, digestion (anaerobic), wastewater treatment 4680. 
manure, digestion (anaerobic), reactors design 5824. 
mathematical models, monitoring, digestion (anaerobic) 5702. 
metabolism, reviews, methanogenic bacteria 6267. 
Methanobacterium thermoautotrophicum, coenzymes 5,10-methenyl-5,6,7,8-tetrahydromethanopterin 429. 
methanogenic bacteria digestion (anaerobic), algae biomass 2183. 
methanogenic bacteria, nitrogen recycling, bioreactors, biomass, Gracilaria 
tikvahiae 82 bezcleria, pathways, acetic acid biosynthesis refationship 1295. 
methanopteric dervitives, Methanosarcina barkeri 4678. 
Methanosarcina, Methanotivik, digestion (anaerobic), temperature, effects on 
300000 treatment of the second of t Methanol, ietnanoi, addition, computer applications, monitoring, dissolved oxygen, batch culture, fermentation, Pseudomonas 8633. bactena biodegradation, oxidation, reviews 7823 biodegradation, metabolism, activated sludge 6706. biodegradation, metabolites production, biotechnology, reviews, methylotrophic bacteria 5228. earbor sources. Hydropischipium growth, waste water dentitification, 1402. bacteria 5228, carbon sources, Hyphomicrobium growth, waste water denitrification 1492. carbon sources, single-cell protein production, microorganisms 1922. comparison, heat, fixation, Gram stain, methodology 5076. conversion, methanogenesis, immobilized cells, supports 7304. conversion, organic acids production, Butyribacterium methylotrophicum 3418. extracts, inhibition, Abies belsamea soil nitrification, proteins binding effects on, sub-alpine environments 2909. emmentation, batch culture, Methylomonas methanolovorans 121. fermentation, batch culture, Methylomonas methanolovorans 121. remnetation, patini cumuler, inferrityrinionas internation/oratis 12:1.

termentation, single-cell protein production, monitoring, computer applications, Hansenula polymorpha 596c.

Hansenula polymorpha 596c.

Nidation enzymes, biosynthesis, Hansenula polymorpha 929.

Oxidation, formate dehydrogenase, purification, characterization, Pichia pastoris oxidation, formate dehydrogenase, purification, characterization, Pichia pastoris Methanothrix, digestion (anaerobic), characterization 3981, mixed culture fermenters, propionic acid biodegradation 6398, mixed culture, methanogenic bacteria, hydrogen bacteria, acetic acid conversion mixed culture. oxidation, kinetics, Hansenula polymorpha, immobilized cells 997

peat, temperature effects on 8264.

Methanol, (continued)

production, (continued)
production, fermenters, carbon dioxide utilization 3558.
solbistrates, Pichia pinus growth 1043.
use, extraction lipidis, Acholeplasma laidlawii, association, freezing 9314.
urilization, bacteria, L-serine biosynthesis enhancement, L-serine analogues resistant mutant 1705.

resistant mutant 1705.

utilization, homocysteine methylation, L-methionine production, Pseudomonas, methylotrophic bacteria 4264.

utilization, single-cell protein production, harvesting, methylotrophic bacteria, thermophilic bacteria 8515.

Mathanolysis, isolation, cytovaricin, structure 1433.

Methanophosphagen, Methanobacterium thermoautotrophicum, N.M.R., new records 979. Methanopterin, derivitives, Methanosarcina barkeri, methanogenesis 4678.

derivitives, Methanosarcina barkeri, methanogenesis 4678.

Methanosarcina, methanogenesis, digestion (anaerobic), temperature, effects on 3980, methanogenesis digestion (anaerobic), temperature, effects on 3980, methanogenesis sodium chloride, ammonium chloride, inhibition, digestion (anaerobic) 6693.

Methanosarcina barkeri, + Acetivibrio observation del position digestion (anaerobic) 6693.

Acetivibrio cellulolyticus + Desulfovibrio mixed culture, cellulose degradation, methanogenesis 2180.

carbon monoxide dehydrogenase, purification, characterization 3521.

cyanocobalamin biosynthesis 963.

digestion (anaerobici), wastewater treatment 4123.

hydrogen metabolism, methanogenesis, carbon monoxide, carbon sources 3982.

5-hydroxy-benzimidazohylcobamide derivatives, biosynthesis, isolation 3553.

methanogenesis, acetic acid conversion 3984.

methanogenesis pathways, acetic acid biosynthesis relationship 1295.

methanogenesis, acetic acetica 4030.

methanogenesis, acetica macetate 3030.

methanogenesis, methanogenesis, immobilizad cells, sucrose conversion 2182.

1822.

Letrapyrroles biosynthesis 6095.

tetrapyrroles biosynthesis 6095.

Methanosarcina vacuolata,
cyanocobalarnin biosynthesis 963.
tetrapyrroles biosynthesis 6095.

Methanosarcinia barkeri,

measurements, enzyme-linked immunosorbent assay methodology 9316. ethanothrix,

Methanothrica et pytheriment imministration assay intendioning 30.0.

Methanothrica et al. (anserobic), characterization 3981.

methanoganesis, digestion (anserobic), temperature, effects on 3980, methanoganesis films, ultrastricture, anaerobic conditions reactors 6397.

Methanothrix acehngenil, methanoganesis 3984.

Methanothrix acehngenil, methanoganesis, methanoganesis, methanoganesis, methanoganesis, methanoganesis, Methanobacterium thermoautotrophicum 4282.

Methalitilin, artibacterial activity, Staphylococcus aureus, ATP bioassays, alkanal monoxygenase (FMNI-linked) 4069.

antibiotic resistance, staphylococcus aureus 4708.

antibiotic resistance, Staphylococcus aureus 4708.

antibiotic resistance, Staphylococcus aureus, disc-diffusion test, detection 7346.

antibiotic resistance, Staphylococcus aureus, disc-diffusion test, detection 7346.

antibiotic resistance Staphylococcus aureus, in vitro, β-lactam antibiotics antibacterial activity 7343.

antibiotic resistance, Staphylococcus aureus, quality control, clinical microbiology 4586, antibiotic resistance, Staphylococcus, detection, use, AutoMicrobic test 2207. antibiotic sensitivity testing, Staphylococcus, clinical isolates, titaly 7441. cross-resistance, cephalosporins, Staphylococcus aureus 6412. resistance, Staphylococcus aureus 6436.

resistance, Staphylococcus aureus, diffusion tests 4712. essensitivity, Staphylococcus aureus, diffusion tests 4712. Staphylococcus aureus, diffusion tests 4712. Staphylococcus aureus, antibacterial activity, penicillins 4842. Staphylococcus aureus, antibacterial activity, penicillins 4842. Staphylococcus aureus, antibacterial activity, penicillins 4842. Staphylococcus aureus, antibacterial activity, penicillins 4842.

Methionine

levels, fermentation, temperature effects on, commeal, lactic acid bacteria 7881.

over production, ethylmethanesulfonate mutagenesis, single-cell protein, yeasts 5115.

L-Mathionine,
production, methanol utilization, homocysteine methylation, Pseudomonas,
methylotrophic bacteria 4264.

L-Methlonine --lyase,
mechanisms, synthesis sulfur, selenium containing amino acids, Pseudomonas putida

98. Pseudomonas putida, use, amino acids isotopes radioactive labelling 4311. purification, characterization, Pseudomonas putida 17. purification, characterization, Pseudomonas putida 6846.

Methionine adenosyltransferase, purification, characterization, reviews, Escherichia coli, Saccharomyces

purification, characterization, reviews, escribinaria toni, caesarationiyos carevisiae 8599.

Methlorina aufloxide, inhibition, dimethyl sulfoxide reductase, Saccharomyces cerevisiae, wort 6941.

Methloryl-tRNA synthetase, Escherichia coli, homology, tyrosyl-tRNA synthetase, Bacillus stearothermophilus 3621.

Methotrexate

Methotrexate,
measuring techniques, bioassays, use Lactobacillus casei 2472.
tetrahydrofolate dehydrogenase inhibition, kinetics, Neisseria gonorrhoeae 8579.
7-a-Methoxy cephalosporfis,
comparison, 7-B-methoxyiminoacetamido cephalosporins, antibacterial activity,
Bacteroides fragilis 3096.
3-Methoxy octadecanole acid,
fatty acid composition, glycolipids, Rhodotorula glutinis 4382.
6-Methoxy tecleanthine,
Teclea trichocarpa bark, antibacterial activity, Bacillus subtilis, antifungal
activity, Cladosporlum cucumerinum 4738.

2-Methoxy-1,4-benzoquinone,

2-Methoxy-1,4-benzoquinone, biosynthesis, vanilic acid metabolism, laccase activity, fungi 8644, biosynthesis, vanilic acid metabolism, laccase activity, fungi 8644, and the control of t

Marasmiellus ramealis, isolation, synthesis 5253.

Methoxychlor, effects on soil microorganisms, biodegradation 9024.

2-Methoxychhanol,
fuels, spoilage, Pseudomonas putida growth 3005.

75-Methoxyfminoacetamido cephalosporina,
comparison, 7a-methoxy cephalosporins, antibacterial activity, Bacteroides
fragilis 3096.

Tragilis 3096.

m. Methoxyphenylacetic acid,
Rhizoctonia solani, effects on Glycine max, nodulation, histopathology 1119.

Methyl a-glucoside,
chloramphenicol production, effects on, Streptomyces venezuelae 4053.

a. Methyl b-hydroxy esters,
biosynthesis, benzyl 2-methyl-3-oxobutyric acid reduction, yeasts 3560.

Methyl bromide,
fumination.

ation, +solar radiation, soil, effects on crater disease, Triticum aestivum

B120. toxicity, phytopathogenic fungi, soil microorganisms 1218.

Methyl (socyanide, inhibition nitrogenase, Azotobacter vinelandii 1816.
6-O-Methyl (thromycin A, synthesis, antibacterial activity 5782.
Methyl 2-methyl-3-(2-thienyl)-3-oxopropionate, reduction, stereoselectivity, yeasts 6098.

Methyl 2-methyl-malatae.

reduction, stereoselectivity, yeasts 6098.

Methyl 2-methylmalates,
blosynthesis, dimethyl 2-methyl-3-oxosuccinic acid reduction, Saccharomyces
cerevisiae, Candida albicians 3561.

Methyl 3-phenyl-2-oxobutyrate,
reduction, stereoselectivity,
distribution (3007)

Methyl (3-45 μμμ) 3-methyl 2-xecharomyces

Methyl (3-45 μμμ) 3-methyl 3-xecharomyces

reduction. c-methyl 5-hydroxy esters production, stereoselectivity, reduction. c-methyl 5-hydroxy esters production, stereoselectivity, activity 3-(2-furyl)-2-methyl-3-cyclory-2-methyl propionates production, stereoselectivity, yeasts 6096.

Methyl 3-(2-furyl)-3-tycroxy-2-methyl propionates, production, methyl 3-(2-furyl)-3-yearthyl propionates, production, methyl 3-(2-furyl)-3-yearthyl-3-cyclory-3-methyl-3-cyclory-3-methyl-3-cyclory-3-methyl-3-cyclory-3-methyl-3-cyclory-3-methyl-3-cyclory-3-methyl-3-cyclory-3-methyl-3-cyclory-3-methyl-3-cyclory-3-methyl-3-cyclory-3-methyl

1-Methyl-3-n-alkylthiomethyl-imidazoline chloride, antifungal activity, antibacterial activity 9132. 2-Methyl-3-(5-Githjydrothiazolo(3,2-b)-a-triazol-2-ylmethyl)indole, synthesis, antifungal activity 6469.

synthesis, antifungal activity 64bs.

Methylamine,
Azotobacter vinelandii uptake measurement, filtration methodology 4195.

+ calcium hydroxide, use, decontamination methodology, aflatoxins food contamination peanuts meals 7097.

menaquinone-6 derivatives, detection, new records, Campylobacter fetus 980. Methylcellulose,

media, use, plaque assay, murine leukemia virus 2444. ethylene blue, pseudorabies virus photoinactivation 468. staining, bacteria, blood culture 703.

Staining, decteria, blood currier 7/3.
Methylene chloride,
Pseudomonas, metabolism, biodegradation 3661.
(2,3)-E-Methylenepenam,
derivatives, antibacterial activity, structure-activity relationship, inhibition,
B-lactamase 6532. Methylhydrazine,

Metry/inydrazine, derivatives, antibacterial activity, antitumor activity 2219. 
3-(2-Methylindol-3-yimethyl)-a-triazolo[3,4-b][1,3,4]thiadiazole, synthesis, antifungal activity 6469. 
Methylmalonyl-CoA decarboxylase, isolation, Nocardia mediterranei, characterization 8607. 
Methylmalonyl-CoA mutase, role, erythromycin, biosynthesis, purification, characterization 2617.

N-Methylmyosmine, production, association, nicotine biodegradation, fungi 1890.

withylnaphthalene, nydroxylation, Cunninghamella elegans 2187. Withylnaphthalene, nydroxylation, Cunninghamella elegans 2187. Khylococcus capsulatue, methane monooxygenase, intracellular localization, nutrient requirements, copper extracellular levels 3007. Meziocillin, (continued) Meziocilith, (continued)
animal models 4836.

± moxalactam ± amikacin ± cefoxitin, antibacterial activity,
bactericidal activity 7412.

+ sisomicin, antibiotic synergism, antibacterial activity, Escherichia coli,
Klebsella pneumoniae, Pseudomonas aeruginosa 2271.

Klebsella pneumoniae, Pseudomonas aeruginosa 2271.

Micelles,
Micelles, escatitis B view, iselaction, immunocepticits, vaccines Pan troc methane monooxygenase, intracellular localization, cost-benefit analysis, fermentation, mathematical models 5963.

Athylomonas analysis 5963.

Athylomonas regalitat, minobilized cells, electrodes, methane 767.

Athylomonas methanolovorans, bach culture, pethanolovorans, bach cul 5/06. methanol biodegradation, metabolites production, biotechnology, reviews 5228. methanol utilization, homocysteine methylation, L-methionine production 4264. plasmids stability, regulation, feedback, inhibition, chemostats 9303. Microbial poliution, actinomycetes, fungi, odor intensity, relationship pH, oxygen, reservoirs 3212. actinomycetes, odor compounds, chemical composition, odor pollution 2648. bacteria, lakes, runoff, pollution monitoring, mathematical models 565. bacteria, pathogens, estuaries 6713. Clostridium perfingens spores, indicator species, sewage, spatial distribution, sediments, lakes 2388. coastal waters, indicator species, sewage outfalls 6711. coliforms, bioaccumulation, Chamelea gallina, coastal waters 4128. coliforms, pollution monitoring, indicator species, spatial distribution, seasonel variations, lakes, USA 9419. coliforms, pollution monitoring, mathematical models, estuaries, coastal waters 3210. methanol utilization, homocysteine methylation, L-methionine production plasmids stability, regulation, feedback inhibition, chemostats 9303. pyrroloquinoline quinone production 4347. thermophilic bacteria, methanol utilization, single-ceil protein production, harvesting 8515.

Methylpterin, Methanobacterium thermoeutotrophicum, analysis 1703.

Methylpterioline, and the structure activity relationships, antifungal activity, Rhizoctonia solani, disease control, root rot, Gossypium hirsutum 5531.

Methylquinolines, antifungal activity, pathogens, fungi 5740.

Methylquinolines, antifungal control, root rot, Gossypium hirsutum 5531.

Methylquinolines, antifungal activity, pathogens, fungi 5740.

Methylsterigmatocystin, biosynthesis, Aspergillus parasiticus cell free system, sterigmatocystin conversion 2760.

Methylsterigmatocystin, biosynthesis, Aspergillus parasiticus cell free system, sterigmatocystin conversion 2760.

Methyltiple-s-acetic acid, isolation, identification, Phycomyces blakesleeanus 7771. (Methythilocarbamoyl)-DL-cysteine, inactivation amino-acid racemase, kinetics, S-(N-methythilocarbamoyl-DL-cysteine 5151.

Methythilocarbamoyl-DL-cysteine 5151.

Methythilocarbamoyl-D\_cysteine 5151. 3210 3210.
drinking water, indicator species, coliforms, membrane filtration 8421.
enterovirus, association, suspended matter, lakes 9255.
enterovirus, comparison, bacteria indicator species, swimming pools, Romania 2409 enterovirus, drinking water, phages use pollution indicators association 8425. enterovirus, ground water, waste water irrigation 5852. enterovirus, indicator species, seasonal variations, coastal waters, beaches 6708. orus, rotavirus, drinking water, lakes, Mexico 7526. indicator species, chlorination, swimming pools 567. indicator species, drainage, water quality, soil amendment, manure, crop fields 6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

6709.

67 media, Escherichia colf isolation, identification 5050.

stioprim,
antibacterial activity, Shigella flexneri, Shigella sonnei 1333.
etopolophium dirhodum,
biological control, pathogenichy, field trials, Entomophithoraceae 5230.
biological control, pathogens, field trials, Erynia neoaphidis 5229.
etribuzzin,
foliar applications, effects on Solanum tuberosum yield, association, infection,
potato virus X, potato virus Y, potato leaf roll virus 8019.
resistance, Hm gene, linkape, Rps1 gene, disease resistance, Phytophthora
megasperma f.sp.glycinea, Glycine max 2064.
agar diffusion test, bioassays, Clostridium perfringens 7365.
antibacterial activity, anearobic bacteria, treatment, infection 453.
antibacterial activity, clinical trials, pharmacokinetics, pediatrics, reviews
5732. 2537.
viruses, rivers, Romania 2406.
viruses, sewage studge, effluents, land disposal, reviewe 2335.
viruses, waste water aerosols infigation, public health risks, reviews 2336.
wastewater treatment aerosols, pollution research 3187.
wastewater treatment, disinfection, ozone, enterovirus 2372.
water water analysis, potentiometry, lipoic acid reduction, fecal coliforms, indicator species 2392.
water pollution, reviews, bibliographies 4944.
Microbiology,
bacteria, contamination, meat, public health 4458.
desalination plants, physicochemical properties, water quality, bacteria 4942.
equipment, design effects on contamination 583.
industries, methodology, biotechnology, books 4237.
Microbocchi. 5/32 arribactorial activity, Escherichia coli, DNA damage 6449. arribactorial activity, Escherichia coli, DNA damage 6449. arribbiotic resistance, clinical isolates, Bacteroides fragilis 8291. arribbiotic sensitivity testing, anaerobic bacteria, clinical isolates 6549. arribbiotic synergism, gentamicin, Bacteroides melaninogenicus, Bacteroides fragilis 3118. hadina of 10. bactericidal activity, inhibition, DNA biosynthesis, Bacterioides fragilis 2213. bacterioideal activity mechanisms 3053. comparison, niridazole, antibacterial activity, Campylobacter fetus subsp.jejuni Grup sensitivity testing, anaerobic bacteria, microaerophilic bacteria, clinical isolates 4731, interaction, Escherichia coli, DNA repair, mutants 2312, reduction, effects on cytotoxicity, Escherichia coli 6451, synergism, ampicillin, doxycycline, cotrimoxazole, antibacterial activity, anaerobic bacteria 7366. Micrococcin, antibiotic resistance mutants, ribosomal protein L11 structure, Bacillus megaterium 6432. megaterium 6432.

Microoccus, si consultation, penzoi acid derivatives 3664, biodegradation, phenanthrene, naphthalene 1294. biodegradation, phthalic acid, reviews 7828, catalase isoenzymes, purification, characterization 1793. differentiation, Staphylococcus, bactiracin antibacterial activity, agar diffusion test 1661. etroxylon segu, starch, utilization, fungi 8686. Azospirilium rhizosphere, Gramineae, subtropical zones 4834. diniking water, lakes, microbial pollution, enterovirus, rotavirus 7526. food, gram-negative bacteria isolation, drug resistance 437. incidence, geographical distribution, Puccinia graminis races, isolation, Avena sativa, Triticum aestivum 1125. Marasmiellus, leafapot, stalk rot, Zea mays 8794. onchocerciasis vectors, biological control, streams, Simulium ochraceum, Bacillus thuringiensis 6915. @ctoclilin. dirusion test 1651
profeoylor carymes, deiry products isolates 1057,
profeoylor carymes, deiry products isolates 1057,
profeoylor carymes, defects on 4718,
skin microffora, antiseptics disinfection, animal models 4141,
Staphylococcus, identification, methodology, comparison 7613,
thermal stability, catalase, histidine decarboxylase 8594,
micrococcus luteus,
antibiectarial activitiv, extracte. Bachatic etics 0.2 munigensis 6915.

\*\*Edocillin, ambbacterial activity, Escherichia coli, Listeria monocytogenes 4884. ambbacterial activity, gram-negative bacilli 7431. ambbacterial activity, gram-negative bacilli 7431. ambbicoccus aureus 3008. ambbicotic ereistance, B-lactamase, role, Staphylococcus aureus 3008. ambbicotic ensitivity testing, clavulania caid effects on, Bacteroides fragilis ambbicotic ensitivity testing, clavulania caid effects on, Bacteroides fragilis antibacterial activity, extracts, Baccharis crispa, Baccharis notosergila 4012. growth, toxins production, sodium chloride effects on 8760. hydrolysis, ampicillin esters, bioassays 2265. B-ionone, derivatives, retinol, antibacterial activity 6491. manganese, deficiency, effects on, DNA biosynthesis, precursors, nucleotides, fermentation 951. antibiotic sensitivity testing, Streptococcus faecalis 4808.

± gentamicin, antibacterial activity, Streptococcus faecalis endocarditis,

Micrococcus lysodelitticus,
deltonin effects on cell membranes 7355.
dioxidine effects on cell membranes 8306.
DNA, cestium trillicuroacetate, use, isolation, purification, methodology 5918.
protoplasts, gramicidin S cytolysis 7467.
Micrococcus percitreus,
aromatic-L-amino-acid decarboxylase, pyridoxal 5'-phosphate requirements 1817.
Micrococcus pseudoffaccidifex,
pathogens, biological control, larvae, Lymantria dispar 5260.
Micrococcus radiodurans,
radioresistance, dying, effects on 4718.
Micrococcus radiodurans. Microorganisms, (continued)
biodegradation, organic matter, succession, community development, soil, reviews biodegradation, petroleum, pollution effects, books 8497. biodegradation, petroleum, reviews 8287. biodegradation, phthalic acid esters, relationship, carbon 3660. itionship, carbon dioxide, production 3660. biodegradation, physico-temical properties, postlands 2152. biodegradation, plants toxins effects on 8970. biodegradation, plants toxins effects on 8970. biodegradation, plants toxins effects on 8970. biodegradation, pseudoisuga menziesii, lignocelluloses, streams, factors affecting 999. set of the stream of the stre fadioresistance, cyling, chocks on 7 13.

Micrococcus roseus,
bacteriocinogeny 6550.

Micrococcus varians,
L-hysine production, hydrocarbons utilization 1732. L-lysine production, hydrocarbons utilization 1732.

\*\*Microcyclus, reactors, cutting fluids biodegradation, bacteria identification 178.

\*\*Microdipologia perpuells, infection, Alangium solvifolium 8017.

\*\*Microdipologia perpuells, infection, Alangium solvifolium 8017.

\*\*Microdipologia perpuells, infection, alangium solvifolium 8017.

\*\*Microdipologia perpuells, melanin production 8626.

\*\*Microsolioboaporia grises, D-manno-D-glucan, carbohydrate composition, structure-activity relationships, antitumor activity, sold tumors, mice 4376.

\*\*Microenvironments, drugs levels, relationship, microorganisms growth inhibition 1352.

\*\*Microfibritis, drugs levels, drugs levels bornage, enumeration, measuring techniques, reviews 4973. biomass production, slurries, media (enrichment) 7508. bioreactors, temperature kinetics 1534. biosynthesis, antibiotics, steroids, ethanol, sweeteners, polysac 2041.
biosynthesis, chitosan, chitin, cellulose, industrial applications, reviews 8619.
biotechnology, genetic engineering 5206.
biotechnology, industries, conferences 5950.
carbohydrates conversion, ethanol production, reviews 5272. formation, cellulose hydrolysis, cellulase, Trichoderma reesei 3472.

Microflaments, proteins, isolation, chracterization, plasmodia, Physarum polycephalum 5954.

Microflora, biotechnology, industries, conferences 5950.
carbon/ordares conversion, ethanol production, reviews 5272
carbon cycle, reviews 8205.
calculture, biotechnology, reviews 4970.
cell culture, biotechnology, reviews 4970.
cell culture, freaze drying 4146.
cell culture growth, enumeration methodology 4193.
cellulase, lignocelluloses hydrolysis, use sugar fermentation, reviews 2599.
cellulolytic enzymes, pectinolytic enzymes, crop residues conversion, sitage, fermentation 213.
cellulolytic enzymes, proteolytic enzymes, pectinolytic enzymes, cleaning, membranes, filtration, industrial water systems 57.
chemostats, mathematical models, growth curves 9269.
climax community characterization, activated sludge 1491.
clinical isolates, detection methodology, books 3378.
colonization, biodeterioration, forest products, relationship, catalase, activity, crossote, effects on 1243.
colonization, titanium surfaces, rivers water exposure 3650.
commercial soil amendment, effects on friticum aestivum growth, yield 8960.
contamination, book culture, qualify control 4036.
contamination, book culture, qualify control 4036.
contamination, breast milik heat treatments, nutrificional status, immune status, infants, man 7038.
colonization in the contemporary control 8051. bacteria, antibiotic resistance, neonates, man 7332. bacteria, electrical stimulation, sodium chloride, sodium nitrite effects on, beef 6976. beef 6976.
bacteria, man burn infection, antibiotic sensitivity testing 3064.
bacteria, skin, counting methods, cattle 4138.
eye, cefmenoxime antibacterial activity, man 7546.
hair, bacteria contamination, swimming pools 2405.
skin, artiseptics disinfection, animal models 4141.
skin, neonates, relationship, baths, washing, man 6729.
skin, sampling, methodology, reviews 4964.
succession, Acer pseudoplatanus phylloplane 8936.
urinary tract isolates, bacteria, antibiotic sensitivity testing 6501.
yeasts, bakery products, USSR 191.
Microlhyciton,
interferon antibodies, effects on, interferon, antiviral activity 9111. Interrepro anubodies, effects on, Interferon, antiviral activity 9111.

Interreproapora, dapiramicin B, structure, biosynthesis, disease control, sheath bijott, Thizoctonia solani, Oryza sativa 4883. distribution, incidence, pasture, nematicides effects on 7295. [advanced by the production, B-lactamase inhibitors, screening 3082. taxonomy, daptirmicin, formentation, antifungal activity 2286. [advanced by applications, believed by the propagoise biosynthesis, structure, characterization, antifungal activity, Valsa ceratosperma 3149. [advanced by the propagoise biosynthesis, structure, characterization, antifungal activity, Valsa ceratosperma 3149. [advanced by the propagoise biosynthesis, structure, characterization, antifungal activity, antibacterial activity 2294. [advanced by the propagoise biosynthesis, structure of the propagoise subspective propagoises, propagoise subspective propagoises, propag contamination, oucumbers, chlorine dioxide control 8051.
contamination, enzyme-linked immunosorbent assay equipment, environmental hygication. contamination, enzyme-linked immunosorbent assay equipment, environmental hygi 2413.

contamination, fishery products, temperature effects on 7002.
contamination, hygiene standards, minced meat 5318.
contamination, mayonnaise salad dressings 7847.
contamination, molasses, continuous culture, ethanol, production, immobilized cells, yeasts 7799.
contamination, pasteurization, cooling water, beverages 1913.
contamination, pharmaceuticals industries 9147.
contamination, pharmaceuticals, reviews 9149.
contamination, pharmaceuticals, reviews 9150.
contamination, pharmaceuticals, reviews 9148.
contamination, pharmaceuticals, reviews 9149.
contamination, pharmaceuticals, reviews 9148.
contamination, pharmaceuticals sterilization quality control, reviews 9146.
contamination, polid wastes, hospitals 4963.
continuous culture, conferences 1685.
conversion, hydrodynamics, aqueous solutions, solvents 3687.
conversion, hydrodynamics, aqueous solutions, solvents 3687.
conversion, roganic matter, wastes, biomass, production, use, rural populations, rural environments, books 6794.
com slage biodeterioration, aerobic conditions 5360.
cosmetics, contamination 5751.
counts, pork, meat production 7841.
crop residues fermentation, methane production, reviews 5703.
culture collections, brewing, patents 6934.
culture, factors affecting growth, metabolism 9272.
culture systems, gases determination, mass spectroscopy methodology 4144.
dairy starters, cheese production, biotechnology 5328.
decomposition, organic matter, carbon (activated), filters, wastewater treatment 2349.
digestion (anaerobic), animal wastes, oxygen, effects on, methanogenesis 8407.
dilestion (anaerobic), double dischardarion energy resources, batch other 4544. aquatic communities, toxicants effects on metabolism, measurements methodolor 1535.
association, flagella, rotation, measuring techniques 4975.
batch culture, fermentation, models, kinetics 3631.
bioaccumulation, metals, leaching, reviews 5692.
biodegradation, Abies alba leaves 181.
biodegradation, Abies alba leaves 181.
biodegradation, alliel, dodecyl benzene sulfonate, characterization 1033.
biodegradation, alliel, dodecyl benzene sulfonate, characterization 1033.
biodegradation, aniliel, dodecyl benzene sulfonate, characterization 1033.
biodegradation, anile, dodecyl benzene sulfonate, characterization 1033.
biodegradation, books 1683en, organic matter, biochemical oxygen demand, biodegradation, books 1683.
biodegradation, books 1684, and the substantial of the sulface of decomposition, organic matter, carbon (activatiod), filters, wastewater treatment 2349.
digestion (anaerobic), wood biodegradation, energy resources, batch culture 365i disease resistance, plant breeding, research programs 1176.
dishitigration, extraction, use pressure 4972.
dough fermentation, bakery products 5326.
ecological evaluation, laboratories, continuous culture, batch culture, methodology 4974.
ecosystem analysis, interspecies relationships, isolation, media (culture), measuring techniques, reviews, books 5032.
enumeration, methodology, nosocomaile environments, air conditioning 5863.
enumeration, methodology, nosocomaile environments, air conditioning 5863.
enumeration, oranges juicos frozen products 7850.
enzymes, applications, biotechnology, industries, books 3373.
enzymes, digestion (anaerobic), digestion (aerobic), waste treatment, industrial wastes 547.
enzymes, digestion (anaerobic), digestion (aerobic), waste water treatment, biodegradation, oil spills, manne environment 180.
enzymes, industries, books 336.
enzymes, industries, books 361.
enzymes, pasticides biodegradation, environment 180.
enzymes, production color compounds, flavor compounds, flood industry 200.
enzymes, production color compounds, flavor compounds, flood industry 200.
enzymes, use assays, clinical microbiology, microorganisms 44.
enzymes, use assays, clinical microbiology, microorganisms 46.

```
Ilcroorganiama, (continued) epoxidation, halogenation 7653, ethanol biosynthesis, screening methodology 4171, ethanol, production, fermentation, reviews 6110, extracellular enzymes, purification, molecular weight, chromatography 5159, fermentation, bioreactors, reviews 6875, fermentation, coffee 5324, fermentation, engenatics 3678
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Microorganisms, (continued)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ilcroorganisms, (continued) characteristic management of the continued of 
  fermentation, coffee 5324.

fermentation energetics 3678.

fermentation processes, computer applications 2551.

fermentation processes, computer applications 2551.

fermentation strains improvements, genetic engineering, reviews 6124.

fermentation, wine, organic compounds, acids effects on 8672.

fermented lood, civiews 5321.

fermented milk products 5329.

films formation, bioreactors, kinetics 3205.

films formation, bioreactors, kinetics 3205.

films formation, pure culture, mixed culture, mathematical models, fermenters 9270.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     role, revegetation, land reclamation, coal mines industrial wastes, soil anendment 395 anendment 395
     92/U.

films, substrates kinetics, mathematical models, wastewater treatment 1461.
films, tubes plastics drinking water 4948.
filters, aeration, carbon (activated), waste treatment 6698.
food, bioassays, methodology, books 9336.
food contamination, books 3368.
  tood contamination, books 3588.
food contamination, books 3588.
food contamination, books 3588.
food fermentation, biotechnology, books 5941
genetic engineering, detoxification, chlorinated hydrocarbons 4089.
genetic engineering, detoxification, waste treatment, research programs 4088.
genetic engineering, release, marine environment, estuaries, role,
before a service of the ser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            toxins, phytotoxicity, reviews 3756.

transjent Pseudomonas putida, mathematical models 587.

triacylglycerol lipase, extracellular enzymes, food industry, reviews 2600.

use commercial species, research programs, weed control, biological control 3896.

use, enhancement, oil, recovery, methodology 8270.

use, fementation, products biosynthesis, books 5096.

use, hazardous wastes waste treatment, books 1694.

use, ieaching, Sewage treatment, teviews, books 5093.

use, oil, recovery, methodology reviews 8263.

use, oil, recovery, methodology R268.

use, trickling filters, air pollution odor control 3200.

viability, immobilized cells 4971.

waste treatment, feeds 5351.

waste treatment, feeds 5351.

waste treatment, food processing by-products 5320.

wastes, biochemical oxygen demand, chemical oxygen demand, measuring techniques, enumeration, waste water, biochemical characteristics, reviews 4918.

wastewater treatment, kinetics, diffusion, models 2346.

wastewater treatment, role, removal, nitrogen, phosphorus 3190.

weathering, biogeochemisty, reviews 8210.

Micropolyspora feenl,

dust, Isolation, enumeration, methodology comparison 1646.

Microscopy,

414.7
        8500.

8-D-glucosidase, reviews 8567.
growth, association, fermentation, kinetics mathematical models 2530.
growth, filters, use, gases waste treatment, organic compounds removal 3188.
growth, inhibition, relationship, microenvironments drugs levels 1352.
growth, brichaelis-Menteln parameters, mathematical models 7654.
growth models, kinetics, energetics, reviews 2427.
growth, population dynamics, mathematical models 5953.
growth rate, measuring techniques, use, bioreactors 2428.
growth, unre culture, liquids comparison freeze drying preservatives effects on 3268.
humus formation, pathway 8965.
              humus formation, pathway 8965
        Numus formation, pathway 8965. 
hydrocarbons production, aerobic conditions 9034. 
identification, methodology, clinical microbiology, reviews 3232. 
immobilized cells, biotechnology, reviews 4978. 
immobilized cells, characterization, books 3379. 
immobilized cells, characterization, books 3379. 
immobilized cells, methematical models, diffusion, factors affecting 1528. 
immobilized cells, reviews 5102. 
immobilized enzymes, glucose isomerization, sweeteners production, starch, Zea 
mays 5188.
           immobilized cells, reviews 5102.

Immobilized enzymes, glucose isomerization, sweeteners production, starch, Zea mays 5188.

Immobilized enzymes, use, catalysis, chemicals, production, reviews 6031.

industrial strains, mutagenesis, screening, fermentation, yield 1837.

infection, seeds, pathology, conferences, books 3398.

interaction, clays, minerals, soil, reviews 4624.

iinteraction, ribizosphere, plants, characterization, reviews 4627.

iron, biogeochemistry, nutrient cycles, reviews 8208.

levels, buildings biodeterioration 2720.

lignin biodegradation 2725.

lignin biodegradation 7820.

lignin biodegradation 7820.

lignical weight proteinase inhibitors, membranes binding, reviews 5184.

manganese, biogeochemistry, nutrients, reviews 8209.

metabolism, books 1684.

metabolites, biotechnology 6393.

mineralization, nitrogen, soil, factors affecting, reviews 4653.

mixed culture interaction, reviews 1531.

monitoring, hatcheries sanitation 2330.

nitrogen cycle, colories, Eudyptes chrysolophus, Aptenodytes patagonicus 9003.

nitrogen cycle, colories, Eudyptes chrysolophus, Aptenodytes patagonicus 9003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Microscopy,
4147.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    4.14.7.

Cypticococus neoformans, phagocytosis, staining,
[4]:6-diamidino-2-phenylindole]-fluorochrome 2524.

fluorescence, Rhizobium (eguminosarum var.trifolii, detection, protoplasts,
Trifolium repens 9297.

fluorescence stains, nuclear division, mitosis, Tulasnella araneosa 9330.

fluorescence stains, nuclear division, mitosis, Tulasnella araneosa 9330.

fluorescence stains, nuclear division, hycobacterium leprae, leprosy 5904.

Fusarium oxysporum (s.p.lini, soll, in situ, fluorescence 1267.

immunofluorescence, antisera, Corynebacterium sepedonicum, cross-reactivity, soll
microorganisms, association, Solanum tuberosum 7186.

immunofluorescence, Phaeolus schweintzii, propagules, identification, detection,
soil 4821.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           soil 4621
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             mycorrhizas, fixation methodology, reviews 834.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       hydroxylase purification, characterization, cell culture, Aspergillus ochraceus 5124.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Microsomes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Microspanear alphitoides, infection, Quercus liex, polyprenols biosynthesis relationship 2825.

Microspheera penicillata, powdery midew, Carya illinoensis, effects on photosynthesis 5446.

Microsporon canis, antifungal activity, 2-methylquinolines 5740.

Microsporum cookel, antifungal activity, 2-methylquinolines 5740.

Microsporum gypeaum, antifungal activity, sesquiterpenes 8317.

Microsporum gypeaum, antifungal activity, armino acids 9106.

diyeerol kinase, purification, characterization, molecular weight 5987.

mating types, ecological distribution, soil, Spain 8980.

phospholipids biosynthesis 1851.

soil microorganisms, Spain 6336.

toxicity, Ageratum houstonianum essential oils 5505.

Microtle,
              organic compounds, formic acid, effects on, hay, preservation 6490.
organic matter decomposition, biogeochemistry, nutrient dynamics, ecosystem analysis, reviews, peatlands 7254.
oxidation, organic compounds, oil and gas industry wastewater treatment, tar+sand combustion 3194.
           ombustion organic compounds, or and gas industry wastewater treaument, tar-
combustion 3194.

oxygenation, fermenters 3290.

pathogenesis, plant diseases 4493.

PCB sorption, soil 388.

pcctinolytic enzymes, wine 164.

pharmaceuticals, contamination, production, antibiotics, antimicrobial agents,
antimicrobial activity, books 9343.

pharmaceuticals production, genetic engineering 6652.

pharmaceuticals production, genetic engineering 6652.

plasmaceuticals production, humus production, Pinus pumila 3952.

plant diseases, diagnosis, genetic engineering, electrophoresis, monoclonal
antibodies, methodology 7921.

plant diseases, virulence, pathology, reviews 4492.

polysaccharides, industrial applications, books 9342.

population dynamics 4105.

population dynamics 4105.

production, enzymes, genetic engineering 7730.

proteinase, industrial, reviews 2602.

proteinase, industrial, reviews 2602.

proteinase, inhibitors production, screening methodology 7657.

6-pyrazolo benzoxazoles, 6-isoxazolo benzoxazoles, antimicrobial activity,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           sclerotia, Verticillium dahliae, structure, Solanum tuberosum 7936. 
Microwave oven,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cooking, poultry, inactivation, Salmonella typhimurium, Staphylococcus aureus 1048.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Nues.

Microwave radiation,
decontamination, Salmonella, feeds, chickens 1066.
protestiment, Oryza sativa straw, bagasse, microwave radiation, cellulose, richoderma vride 5128.
soll, effects on soll microorganisms 3361
sterilization, food, laminar air flow nosocomial environments, man 574.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mildew,
avirulent Erysiphe graminis f.sp.hordei, inoculation, induction disease
resistance 3882.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sphaerotheca pannosa, disease resistance, plant breeding, Rosa 8096.
```

Mildiomycin D

verticillium rimofaciens biosynthesis, structure, antifungal activity

Milk

amines levels, lactic acid bacteria, dairy starters 6962. Bacillus, fatty acids production 1909.

bacteria, contamination, measuring techniques, ecological distribution, reviews 1897

1897

bacteria spoilage, shelf life predictions, refrigeration 6174, buffaloes, yogurt, dainy starters, Lactobacillus bulgaricus, Streptococcus thermorphilus 6989.

cattle, buffaloes, isolation, casein, substrates, Aspergillus growth, aflatoxins biosynthesis 7078.

cattle, Staphylococcus aureus isolates, drug sensitivity testing 6462.

cold storage, pasteurization, spoilage, bacteria 1910.

coliforms contamination, detection methodology 4445.

coliforms spoilage, cold storage, pasteurization, lactoperoxidase 1912.

contamination, psychrotrophic bacteria proteinase production, nitrogen effects on 7849.

contamination, Salmonella detection, enzyme-linked immunosorbent assay,

contamination, Salmonella detection, enzyme-linked immunosorbent assay, methodology 766.
contamination, salmonellosis, cost-benefit analysis, man 4449.
curdling, chymosin, immobilized enzymes, mucor 205.
dairy starters, counting methods, ATP assays 6996.
dairy starters, inhibition 7862.
detection, bacteria, methodology, reviews 207.
Escherichta coli incidence, identification 8708.
fermentation, biosynthesis, fatty acids, lipids, dairy starters 7865.
fermentation, continuous culture, dairy starters, yogurt production, lactic acid bacteria 6997.
fermentation, lactose, cenes, cloning, role 2739.

bacteria 6997.
fermentation, lactose, genes, cloning, role 2739.
food contamination, Yersinia enterocolitica 7004.
goats, bacteria content 6973.
heating, refrigeration, coryneforms identification 6998.
isolation, bacteria, antagonism, Staphylococcus aureus growth, Enterotoxins
biosynthesis 8707.
isolation, Campylobacter jejuni, sodium bisulfite stimulation survival 4459.
lactic acid production, growth, measuring techniques, Streptococcus cremoris

lactose, hydrolysis, 8-D-galactosidase, immobilized enzymes, Escherichia coli 8540

pasteurization, shelf life, refrigeration, proteolytic enzymes, bacteria spoilage 6175

6175.
phosphate, effects on phages contamination, dairy starters, Lactobacillus bulgancus 3716.
processing, hygiene, quality control 7001.
proteolysis, Streptococcus cremoris, proteinase, plasma membranes localization, role peptides transport 1747.
Pseudomonas fluorescens triacylglycerol lipase, fluorometry 21.
psychrotrophic bacteria enumeration, automated methods, electrical Impedance 5315.

relationship, cheese contamination 5348

relationship, cheese contamination 5343. residuoship, cheese contamination 5343. residues, effects on detergents antibacterial activity, Escherichia coli 9264. samples, Salmonella detection methodology, phage O1 use 1573. shelf life, organologhic evaluation, off flavor, spoilage, coliforms 4448. spoilage, silmes, Klebsiella oxytoca, Pseudomonas aeruginosa 6176. storage tanks, cleaning systems, contamination, bacteria 1505. ultrafiltration, rementation, simple-cell protein, nutritive value, pigs 1916. ultrafiltration, lactose fermentation, simple-cell protein, Trichosporon cutaneum

1719.
xanthine oxidase, hypoxanthine, hydrogen, inhibition, dairy starters 7863.

Milk products,
Escherichia coli incidence, identification 8708.
Penicillium roqueforti, use, cheese, production 2734.
production, role, lactic acid bacteria proteotytic enzymes, reviews 96.
Salmonella isolation, methodology 6182.
spollage, bacteria 6964.

Milk-clotting enzymes,
cheese, production Mucor racemosus 3695.
gel electrophoresis, Mucor miehei, Mucor pusillus, Endothia parasitica 6876.
immobilization methodology, Russula decolorans 4317.
purification, affinity chromatography, Endothia parasitica, Mucor miehei 62.

Milkling mechines.

purification, affinity chromatography, Endothia parasitica, Mucor miehei 62.
Milkling machines,
disease control, mastitis, cattle 571.
disease control, estatis disease control, cattle 9260.
Minced meat,
beef, textured soy protein, acidification effects on bacteria growth, spoilage
6867.

odo contamination, bacteria 203. freeze drying, Staphylococcus aureus survival, factor affecting 7037. microorganisms contamination, standards, hygiene 5318. pork, Clostridium botulinum toxins inhibition, iron chelating agents, nitric oxide, carbon monoxide 7035.

wide, carbon monoxide 7035.

Mineralization,
carbon, nitrogen, association, organic matter, forests soil 8145.
carbon, nitrogen, humus, soil pH 5656.
cellulose, role, chitin, soil microorganisms 4631.
lignin, Spartina alterniffora, Juncus roemerianus, Pinus elliottii, role, fungi,
marine environment 1026.

marine environment 1026.
introgen cycle, rain forests, succession, Costa Rica 4612.
nitrogen, fertilizer applications, forests, Plinus radiata 5541.
nitrogen, soil, factors affecting, microorganisms, reviews 4653.
nutrient cycles, soil microorganisms, fallow land, crop production (no-tillage),
crop fields, Trilicum aestivum 5668.
organic matter, soil microorganisms, savannahs, tropical environment, ecosystem
dynamics 2941.

soil microorganisms biomass, nutrient cycles, carbon, nitrogen, paddy fields

sulfur, soil microorganisms, forests 1230.

Interating bacteria, biodegradation, Crassostrea gigas, shells 4439. clays, interaction, microorganisms, soil, reviews 4624. leaching, use, microorganisms, methodology, reviews 8263. nutritive value, meals, soybeans+com, fermentation effects on, lactic acid bacteria 5355.

sulfide, oxidation, thermophilic bacteria, acidophilic bacteria 416.

Minerals, (continued)
uptake, Citrus paradisi, blight, effects on 5439.

Mines, acids drainage, pollution effects, leaf litter decomposition, reservoirs, bacteria 4429.

uautania 4425.
coal, industrial wastes, soil amendment, land reclamation, revegetation, microorganisms, role 3955.
Conferales seedlings, high-altitude environments, ectomycorrhizas formation

5547. Pseudomonas stutzeri isolates, silver resistance 4698. soil disturbance, soil amendment, fungi, saprophytes, roots colonization 8230. soil, land reclamation, Pisolithus tinctorius, ectomycorrhizas, colonization, seedlings, Pinus 8931. Mini-rhizotron.

 +borescope, observation methods, Phymatotrichum omnivorum, host-parasite interactions, Gossypium hirsutum 2926. Ministomycin, production, Streptomyces coeruleorubidus 4377.

production, Streptomyces coeruleorubidus 4377.
Mining,
association, Thiobacillus, plasmid pTH1, transformation 8282,
leaching, iron(III) oxidation, pyrite, iron-oxidizing bacteria 5689.
metals, industrial effluents, microbial pollution, 415.
waste disposal sites, land reclamation, soil microorganisms 4676.
wastes, soil microorganisms population levels, calcium oxide, organic matter,
soil amendment effects on 3971.

Minitek test, identification, clinical isolates, anaerobic bacteria 7595.

Minocycline, amica isolates, aniaerouto excellen 759.

Hantitubercular agents, antibacterial activity, Mycobacterium tuberculosis 4722.

Nocardia asteroides antibiotic sensitivity testing 3090.

Ureaplasma urealyticum resistance, clinical isolates 3020.

Miokamycin, antibacterial activity, Mycoplasma hominis, Ureaplasma urealyticum, Chlamydia trachomatis 8368. bactericidal activity, gram-positive cocci 3151.

biosynthesis, enzymes preparations efficacy, alcohol concentration relationship 992.

reduction, effects on cytotoxicity, Escherichia coli 6451.

Mitochondria, Hochondria, adenosinetriphosphatase inhibitor content, binding adenosinetriphosphatase 905, calcium transport. Zea mays, inhibition, T toxin, Helminthosporium maydis 7155. Cochibiobous heterostrophos DNA, Isolation methodology 3365. cytochrome coxidase, amino acid sequence, homology Paracoccus denitrificans 85 DNA, Isolation methodology, yeasts 5086. lipoxygenase, purification, characterization, Saccharomyces cerevisiae 913. oxidative phosphorylation uncouplers, averufin 4722. phenylalanyl-tRNA synthetase, carbohydrate composition, comparison mitochondr Saccharomyces cerevisiae 930. respiratory enzymes, induction, n-alkanes metabolism, Lodderomyces 7307. Saccharomyces cerevisiae growth, econazole nitrate effects on 1338. yeasts, tRNA, characterization, use, gels electrophoresis, methodology 3362. Mitogenicity.

Mitogenicity,
Streptococcus pyogenes toxins, isoelectric focusing 2764

Streptococcus pyogenes to ams, secretary Mittomycin, acidity, physicochemical properties 1840, stability, side groups, acidity, physicochemical properties 1839.

Mittomycin C,
+ dextran conjugates, antibacterial activity regeneration 455. glucose isomerase production, Streptomyces fradiae 8598.

N.M.R., structure 524.

Mitosis,

ar division, Tulasnella araneosa, fluorescence stains, microscopy 9330. Models. uccinia striiformis stripe rust, Triticum aestivum, USA, Pacific Northwest 252.

Molasses,

carbon sources, nitrogen sources, biomass production, ethanol fermentation, Saccharomyces cerevisiae 3607. conversion, hydrogen production, immobilized cells, Clostridium butyricum 3577. effects on, lactic acid bacteria acid producticn, silage fermentation, Zea mays

feeds, contamination, yeasts immobilized cells bioreactors, yeasts fermentation 6123. fermentation, citric acid production, nutrient requirements, Aspergillus niger

fermentation, ethanol production, immobilized cells, Saccharomyces formosensis

168 fermentation, ethanol production, immobilized cells, Saccharomyces cerevisiae

8659 fermentation, ethanol production, optimization, yeasts 8660. fermentation, ethanol production, Saccharomyces cerevisiae ae, immobilized cells

fermentation, industrial effluents, methanogenesis, digestion (anaerobic) 8401. Leucaena leucocephala, effects on fermentation 3724.

Leucaena eucocephiala, effects on refinentiation 3724.
microorganisms, contamination, continuous culture, ethanol, production, immobilized cells, yeasts 7799.
substrates, Kluyveromyces fragilis, biomass, association, ethanol production, aerobic conditions 1069.

yeasts use, microorganisms growth association, kinetics mathematical models 25 Molds,

lolds, air Sorra levels, wood processing 8195. air Sorra levels, wood processing 8195. air Sorra levels, wood processing 8195. biodeterioration, monuments, chemical control 1029. biodeterioration, paintings 1027. contamination, raw materials use production contamination 8342. detection, food processing, colorimetry methodology 6185. enumeration, food, methodology, characterization 195. extracellular enzymes, oxidase, detection 1799. food contamination, chickens feeds, ingestion effects on body weight 7014. food contamination, com, toxins production, water content, temperature, propionic acid, effects on 2749. food contamination, meat, growth conditions 6193.

loids, (continued) Gramineae, plant diseases, disease control, reviews 5430. koji, soy sauce, spores inoculum production 196. lolecular weight,

Ton proteins, cofactors, nitrogenase, C.D., Klebsiella pneumoniae 5141. iron proteins, cofactory, nitrogenase 2607. iron proteins, cofactor, cofac

cytostatic agents, antiviral activity, purification, characterization 5746 Annascus,

immobilized cells, pigments production, food dyes 5238. proteinase, purification, characterization 8593.

proteinase, purmication, characterization 5593.

Ronascus purpureus,
pigments production 5251.

Rohensin,
antibacterial activity, Clostridium, agar dilution test, animal isolates 3050.
biosynthesis, genetic engineering, Streptomycas chinamonensis 6565.
urethanes derivatives, aritmicrobial activity, Candida albicans, Penicillium digitatum, gram-positive bacteria 1496.

β-D-glucosidase, induction analysis 5184 ā

ionilidioi, Monilinia fructicola, synthesis 1953

Monillinia fructicola, depininia neutricola, brown rot, post-harvest decay, Bacillus subtilis, biological control, fruits 8053.

conidia, air spora, samplers, epidemiology 804.
conidia, spore germination, size, pathogenicity, temperature effects on, in
vitro, in vivo, fruits, Prunus persica, Prunus persica nectarina 7992.
monilidiol, dechloromonilidiol, synthesis 1953.

tonilinia laxa, benomyl resistance, Prunus armeniaca, detection, characterization 1139.

methodology, bacteria, ethanol, fermentation 994.

mentoorogy, usetima descriptions and process and proce

6583.

Monobutyl phthalata, biodegradation, soil microorganisms 8961.

Monobutyl phthalata, biodegradation, soil microorganisms 8961.

Monochloramine, 15411 inactivation 8324.

Monochlorobiphenyls, chemical pollution, biodegradation, rivers 185.

Monocinal matibodies, antiviral activity, Venezuelan equine encephalitis virus 2328.

capture enzyme-linked immunosorbent assay, coronavirus (bovine) detection, man 4167.

4167.
carbohydrates, anelysis, Streptococcus group B identification, latex agglutination, immunoprecipitation 1829.
comparison, immunoprecipitation 1829.
comparison, immunositation produced in the comparison immunositation of the comparison immunositation of the comparison immunositation of the comparison in the comparison of the comp

culture 8441. herpes simplex virus serotyping 601. https://doma.barley.yellow.dwarf.virus.characterization 5892. https://doma.barley.yellow.dwarf.virus.characterization 5892. https://doma.soybean.mosaic.virus.jettuce.mosaic.virus, maize dwarf.mosaic.virus, use radioimmunoassay, diagnosis, plant diseases 4998. immobilization, proteins purification 3429. immobilization, proteins purification 3429. immunoassays, SV40, antigen T binding sites, DNA 589. immunoassays, SV40, antigen T binding sites, DNA 589. immunoassays.

2455.
indirect fluorescent antibody test, herpes simplex virus identification, typing

2429
potato virus Y, characterization, use, viruses detection 2432.
production, Epstein-Barr virus transformed cells, ymphocytes B, association,
Plasmodium faiciparum, erythrocytes, man, methodology 633.
radioimmunoassay, immunodiagnosis, tuberculosis, man 3351.
radioimmunoassay, immunodiagnosis, tuberculosis, man 3551.
rselection, adenovirus specificity, immunofluorescence solid phase methods 5885
selection, adenovirus specificity, immunofluorescence solid phase selection 5885
selection, adenovirus specificity, immunofluorescence solid ph

use, Legionella pneumophila serotyping, hybridoma production 2518.
use, poliovirus 1 strains differentiation 619.
Monographella albescens,
scald, fungicides, disease control, Oryza sativa 2087.

Cinckaryons, recombination, Typhula incarnata, infectivity, Hordeum vulgare 2788. dikaryons, recombination, Typhula incarnata, infectivity, phytotoxicity, plant diseases 2770. Typhula incarnata, morphology, infectivity, phytotoxicity, plant diseases 2770. Uromyces appendiculatus, comparison, dikaryons, virulence, Phaseolus vulgaris 2760.

Monolayers, fibroblasts

fibroblasts, viruses isolation enhancement 4982. Monolinia fructicola,

host-pathogen interactions, in vitro growth, plant cells monosaccharides 7125.

onomers, beet curly top virus, isolation, characterization 3241. biosynthesis, excretion, bacteria, energy requirements, nutrient requirements, association, mathematicai models 8512.

Monomethyl sulfate, biodegradation, industrial wastes, Hyphomicrobium 1016.

Monophenol monoxygenase, active sites, copper complex, Neurospora crassa comparison Agaricus bisporus 5174.

Basidiomycetes, detection methodology 4217.
browning, Agaricus bisporus, citric acid effects on 3705.
copper active sites, role tryptophan, fluorescence, Neurospora 5173.
extracellular enzymes, production, Mucor, Rhizopus 7759.
hydroxylation 2.4-dihydroxyphenylethylamine, 2.4-di

Basidiomycetes 890. isoenzymes activation, pH role, Aspergillus oryzae 6041. lyrosine hydroxylation, role superoxide, Basidiomycetes 2594. wastewater treatment, phenois extraction, Agricus bisporus 5846. Monoacchartides, effects on sxo-1,4-B-D-xylosidase activity, substrate specificity, Aspergillus niger 7725. plant cells, phytopathogenic fungi host-pathogen interactions, in vitro growth

Monosodium methanearsonate, metabolism, conversion, bacteria 1284.

metabolism, conversion, bacteria 1284.

Monoterpense, Pseudomonas incognita 6957.

Montane envirronments,
grasslands, phosphorus uptake, vesicular-arbuscular mycorrhizas 1260.

Montta perfoliata,
potato leaf roll virus, pathogenicity, disease transmission, vectors, Myzus
persicae 4553.

Monuments, molds, biodeterioration, chemical control 1029.

Moorland, land reclamation, population dynamics, soil microorganisms 5633.

Moraxella.

biodegradation, 1,4-butadiene polymers 6163. 3α,5α-cyclocholestan-6β-ol isomerase, purification, characterization 5196.

a 195.

L-phenylalanine conversion, phenethyl alcohol production, cheese ripening 6993.

radioresistance, dying, effects on 4718.

Morzaella bovis,
media (isolation), keratoconjunctivitis, cattle 2452.

Morchella esculenta,
biomass, single-cell protein, production, media (culture), peat hydrolysates

6807. mycelia, liquid culture 7633.

mycena, induitor ross, spore germination, saprophagy, soil temperature 386.

Morganella morganil, identification, AutoMicrobic test 1645.

Morocco,

Morocco, Verticillium dahliae, races, pathogenicity, Lycopersicon esculentum 8038. watermelon mosaic virus, plant diseases, Cucumis sativus, Lagenaria siceraria, host range, disease transmission 6270.
Morrenia odorata, weed control, biological control, use Phytophthora palmivora, pathogenicity 2809. Mortlerella, composts, suppression, damping-off, Rhizoctonia solani, Raphanus sativus 290. Mortlerella isabellina, detoxification, 12-chlorodehydroabietic acid, industrial effluents, pulp mills 2706.

Mortlerella ramanniana, dehydrogenase, reduction, bicyclo[3.2.0]hept-2-en-6-one 5255. bacteria aerosols, environmental hygiene, ventilation 2415.

Morus, hosts, tobacco ringspot virus, tomato ringspot virus 3818.

hosts, tobacco ringspot virus, tomato ringspot virus 3818.

Mosaic disease,
cucumber mosaic virus, host range, disease transmission, Cucumis melo 8819.
disease resistance plant breeding, Cajanus cajan 899.
Prunus avium, Prunus necrotic ringspot virus, enzyme-linked immunosorbent assay
detection, use, disease control, USA, Washington 3812.
Raphanus sativus, tumip mosaic virus, pathology 8860.

Mosabauer spectroscopy,
4-methoxybenzoate monocoygenase (O-demethylating), putidamonooxin active sites,
Pseudomonas putida 5176.

Most probable number,
bacteria enumeration, computer applications 4209.
bacteria, methodology, diution relationship 1628.
coliforms recovery, membrade firstation, drinking water 6714.
computer applications, indicator species, calculators 6731.
enumeration, Escherichia coli, food 399.
feet oldiforms, pollution monitoring, vers 1495.
methodology, coliforms enumeration, lakes sediments 9319.
Salmonella, microbial pollution, water analysis 3218.
Staphylococcus aureus 747.
vesicular-arbuscular mycorrhizas, enumeration 2124.

Such activity 6727.
antibacterial activity 6727.
antibacterial activity 6727.
antimicrobial activity, odor control, oral cavity, antimicrobial activity 8432.
chiorhexidine, dental plaque, disease control, surgery, man 2423.
chiorhexidine, dental plaque, man 2425.
chiorhexidine, disease control, dental plaque, mouthwashes 2424.
Moxalactam, activity, clipical isolates 5758.

antibacterial activity, clinical isolates 5768. antibacterial activity comparison, cermenoxime 1388.

Moxalactem, (continued) antibacterial activity, Enterobacteriaceae, Haemophilus influenzae, temocillin

artibuctoria scuvity, Enterobacteriaceae, Haemophilus influenzaei, temocillin 5764.

artibacterial activity, Infection treatment, conferences 5949.

artibacterial activity, infection treatment, conferences 5949.

artibacterial activity, reduction, Bactec test media, Thiol broth 6458.

artibacterial activity, role B-lactamase, Enterobacteriaceae 5769.

artibiotic resistance, B-lactamase, Enterobacteriaceae 5769.

artibiotic sensitivity testing, Bacteroides 6514.

artibiotic sensitivity testing, Bacteroides 6514.

artibiotic sensitivity testing, Profeus penneri 9162.

artibiotic sensitivity testing, Profeus penneri 9162.

artibiotic sensitivity testing, Streptococcus group D, media effects on 3095.

bibliographies 5771.

inactivation, B-lactamase, bacteria 5770.

+mazlocilin, artibacterial activity, artibiotic antagonism, antibiotic synergism 7412.

7912.
Pseudomonas aeruginosa antibiotic sensitivity testing 1383. stability, N-methylthiotetrazole side chains 8343.
Streptococcus group B susceptibility 1381.

Strepticoccus group 5 sesseptiming 1301.

MS-2 system,
antibiotic resistance, novobiocin, Staphylococcus epidermidis 434.
antibiotic sensitivity testing, Haemophilus influenzae, ampicillin, cefamandole, chloramphenicol 498.

Muconate cycloisomerase, kinetics, E.S.R., Pseudomonas putida 906. kinetics, Pseudomonas putida 908. Mucopolysecharidase, Bacteroides, punification, characterization 97.

Manage

antrungal activity, mangostin, derivatives, isolation, Garcinia mangostana 4783. biodeterioration, leather, museums, Kuwait 1024. cell culture preservation 5027 chickene feeds mycoflora, storage conditions effects on 7094. chrymosin, immobilized enzymes, milk curdinig 205.

chymosin, immobilized enzymes, milk curding 205.
clinical isolates,
clinical isolates,
1-4-chitorophemoxy)-3,3-dimethyl-2-(1,2.4-biazole-1-yl)methylbutan-2-ol,
1-4-chitorophemoxy)-1-(1-imidazolyl)-3,3-dimethyl-2-butanol frydrochloride,
antifungal activity 4756.
detection, oxidase extracellular enzymes 1799.
ethanol, production, fermentation, cellulose, reviews 6107.
extracellular enzymes production, 5126.
growth, contamination, taints production, corks, wine 7798.
monophenol monooxygenase, extracellular enzymes, production 7759.
myoctoxins, levels, Roquefort cheese, Egypt 7058.
postharvest decay, tomatoes, disease control 5472.
profeinase, amylase activity 8599.
spores, thermal injury, preservatives effects on, germination, growth 1072.
Mucor globoaua,
usnic acid biodegradation 4430.
Mucor griseo-oyanus,
2-hexadesenal reductase purification 5981.
Mucor mishel.
Mucor mishel.
Mucor mishel.
Mucor mishel.
Mucor mishel.
Steptomyces antibioticus, avermectin, inhibition 6578.
chilin, metabolism, Steptomyces antibioticus, avermectin, inhibition 6578.
milk-clotting enzymes, gel electrophoresis 6876.
milk-clotting enzymes, purification, affinity chromatography 62.
renin, proteolysis, cheese 2741.

renin, proteolysis, cheese 2741.

Mucor mucedo,
host-pathogen interactions, in vitro growth, plant cells monosaccharides 7125.

Mucor puellfus,
malate de nydrogenase, purification, characterization, comparison, Humicola
lanuginosa 8576.
milk-clotting enzymes, gel electrophoresis 6876.
renin, proteolysis, cheese 2741.

Mucor racemosus,
artibiotics production, morphology association 2255.
growth conditions, meat, food contamination 6193.
milk-clotting enzymes, cheese production 3695.

Mucor rouxtl,
chitosan, biosynthesis, chitin synthetase, chitin deacetylase role 3435.

MODOT FOUNT, chitosan, biosynthesis, chitin synthetase, chitin deacetylase role 3435. Mueller-Hinton agar, sodium chionde containing, use, dilution tests, micromethods, antibiotic resistance, Staphylococcus 3012. use, disc-diffusion test, bacteria 3077.

effects on, cucumber mosaic virus, watermelon mosaic virus, incidence, Cucumis sativus 4585.

Multianzyme complexes, hydrolase, isoelectric focusing, Trichoderma reesei 8572. Multiplication, tobacco mosaic virus, spreading, Nicotiana tabacum cultivars, aspirin, polyacrylic acid effects on 1141.

Mumps, seroepidemiology standardization, enzyme-linked immunosorbent assay methodology,

seroepidemiology standardization, enzyme-linked immunosorbent assay methodoloman 7507.

Mumpa virus,
infectivity, tirration, immunoperoxidase antiglobulin test 1553.
mumps, seroepidemiology standardization, enzyme-linked immunosorbent assay methodology, man 7567.
propagation, Sephadex carriers, cell culture, Vero cells, embryos, quail 7562.
vaccines, antibody response, enzyme-linked immunosorbent assay comparison neutralization 2436.

Mung bean mid mosale virus,
infection, Vigna radiata, Vigna mungo, metabolites concentration 2776.

Mung bean severe mosale virus,
infection, Vigna radiata, Vigna mungo, metabolites concentration 2776.

Mung bean yellow mosale virus,
infection, Vigna radiata, vigna mungo, metabolites concentration 2776.

Mung bean yellow mosale virus,
infection, Vigna radiata, vigna mungo, metabolites concentration 2776.
vectors, Aleyrodidae, insecticides, chemical control, Vigna radiata 2055.
Muracelins,

Vectors, Augyoundage, and Muracelina, Muracelina, Muracelina, isolation, Nocardia orientalis, inhibition, angiotensin-converting enzyme, biological properties, biosynthesis 5959.

Muramic acid.

evels, soil, bacteria biomass 5614. Murein.

biosyntheses, inhibition, colicin M, antibacterial activity, Escherichia coli 7456.

Murine leukemia virus, methylcellulose, media, use, plaque assay 2444.

Muss, disease resistance plant breeding, sigatoka, Mycosphaerella fijiensis var.difformis 3870. 
Muss paradislece, crop residues, substrates, single-cell protein production, Pichia spartinae 863. 
Honduras, sigatoka, Mycosphaerella fijiensis var.difformis 8906. 
plant diseases, fungicides, disease control, Mycosphaerella fijiensis 8914.

plant diseases, tungicides, disease control, mycosphaerella lijeriale de 14. Musa sapintum, leafspot, Drechslera australiensis, symptoms, Egypt, new records 8002. Musa sapientum, plant diseases, fungicides, disease control, Mycosphaerella fijiensis 8914.

Musa textilis,

disease transmission, abaca mosaic virus, banana mosaic virus, vectors, Aphis gossypi 6276.

wit, Pseudomonas solanacearum 7177.

Muscadinie rotundifolia,

× Vitis vinifera hybrids, cross-breeding, phylloxera resistance 3832.

x vitis vinitera nyorius, cross-bredonig, phylioxi Museoums, leather, fungi, biodeterioration, Kuwait 1024. Mushroom poisoning, Amanita phalloides, man 2735. Cortinarius, clinical aspects, kidney, man 1903. species identification, man 4454.

species identification, man 4494.

Musta,
acetic acid bacteria, malotactic fermentation, ethanol fermentation 6936.

Botrytis cinerea, decomposition, L-tarfanc acid, L-malic acid, wine,
organoleptic evaluation 8666.

ethanol production, oxygen effects on, yeasts 6122.

fermentation, pesticide residency production, Botrytis cinerea 3601.

fermentation, production, acrona compounds, organoleptic evaluation,
Schizosaccharomyces acidodevoratus 6933.

fermentation, wine production, aroma compounds, organoleptic evaluation,
Schizosaccharomyces acidodevoratus 6933.

fermentation, wine, temperature effects on, organoleptic properties 1871.

malolactic fermentation, organoleptic evaluation, wine, Leuconostoc oenos 2692.

Mutageneals,
acridine orange, ethanol production, Zymomonas mobilis 5267.

Bacillus subtilis, proteinase production 6828.

Bacillus tubilis, proteinase production 6828.

Bacillus diagnostic processor descriptions of the second production of the second processor of the second production of the secon

ethylmethanesulfonate, methionine over production, single-cell protein, yeasts 5115.

5115.

Nentroso-N-methyl-N'-nitroguanidine, Propionibacterium, dairy starters, cold temperature-sensitive mutant 2729.

nitrosoguanidine, genetic engineering, soybean milk flavor compounds, Lactobacillus casei subsp. alactosus 3701.

Nentrosomethyl biuret, penicillin biosyntheeis, conidia, Penicillium chrysogenum 2998.

Thermomonospora curvata, U.V. radiation, ethylmethanesulfonate, catabolite repression resistant mutant, cellulase biosynthesis 1746. U.V. radiation, cellulase production, nutrient requirements, Penicillium

U.V. radiation, cellulase production, nutrient requirements, Penicillium funiculosum 8532.
U.V. radiation, critic acid production, Aspergillus niger 1731.
U.V. radiation, N-nitroso-N-methyl-N-nitroguanidine, aroma compounds production, dairy starters, Lauconostoc cremoris 1906.

Mutagenicity,
Ames test, industrial effluents, pulp mills, paper mills, removal, wastewater treatment 4903.

Mutagenicity teeting, acrdine, benzo(f)quinoline, combustion products, phage P22, Salmonella typhimunium 3331.

aflatoxin B1, Ames test 3738.
environmental factors, bacteria, phages, books, conferences 3388.
environmental factors, Escherichia coli, phage \(\lambda\) DNA hybrids 3330.
Escharizhka coli 9306.

environmentar ractors, escherichia coli, phage A DNA nyonde 3330. Escherichia coli, role arginine, NAD, valine genes 6775. role metabolic activation, Bacillus subtilis rec assay, methodology 3329. Trichosporon cutaneum, single-cell protein, mutagenicity testing 1915.

Mutagens, Fusarium moniliforme, production 122. Mutants, adenosinetriphosphatase, protons, ATP stoichiometry, N.M.R., membrane potentia

Escherichia coli 8531

adenosinetriphosphatase, protons, ATP stoichiometry, N.M.R., membrane potentia Escherichia coil 8531.

amino acids overproduction, transformation, Brevibacterium lactofermentum 5116. Aspergillus niger, citric acid production, liquid culture 1708.

auxotrophs, isolation role clavulanic acid, Bacillus licheniformis 7611.

cellulase, 9-D-quiocoidase, production, Alternaria alternata 3463.

DNA repair, interaction, metronidazole, Escherichia coil 2312.

endosperm, Zea mays, Fusarium monilibrome, infection, effects on, seedlings 3804.

Escherichia coli, membrane permeability, gene mapping, relationship susceptibility, antibiotics, antibacteria activity 4794.

exo-1,4-a-D-glucosidase production, catabolite repression, selection, Aspergillus niger 5118.

flocculation, deoxyribonuclease susceptibility, Pseudomonas 4929.

herpes simplex virus 1, drug resistance, arabinylosyladenine, association, deoxycoformycin 9068.

herpes simplex virus 1, resistance, phosphonacetic acid 2193.

hypersensitivity, antibacterial activity, 8-lactam antibiotics, use antibiotic esensitivity testing, bacteria 6496.

inosine production, ribonucleosides metabolism, Brevibacterium ammoniagenes 520: micrococcin antibiotic resistance, inbosomal protein L11 structure, Bacillus megaterium 6432.

Initrogenase, iron protein, molybdenum-iron protein, nitrogen fixation, acetylene reduction, Klebsiella pneumoniae 2412.

entrogenase, molybdenum-iron protein, recombination, gene expression, E.S.R., Klebsiella pneumoniae 3413.

```
Mutants, (continued)
```

Pachysolen tannophilus, enhancement, growth, ethanol, fermentation, association, xylose 6144.

xylose 6144, pepage and provided and provid

Sporotrichum pulverulentum, cellulase, β-D-glucosidase, overproduction.

Sporbtrichum pulvarulentum, cellulase, β-D-glucosidase, overproduction, characterization 878.
Streptomyces ribosidificus, ribostamycin, production 3163.
Streptomyces spheroides, U.V. radiation induction biosynthesis, extracellular proteinase, fibrinolysis role 6583.
symbiosis, Rhizobium meliloti, nitrogen fixation, genetic control, Medicago 5676.
Trichoderma reesei, cellulase, selection, nystatin resistance 60.
U.V. radiation, cellulose biodegradation, Aspergillus furnigatus 2707.

antibiotic resistance, mechanisms, bacteria, reviews 9048.
Aspergillus flavus, nitrosoguanidine, acriflavin, diethylamine, induction, characterization, effects on aflatoxins biosynthesis 7064.
envelopes, enhancement, artibiotics, susceptibility, Neisseria gonormoeae, clinical isolates 5761.

Critical solates 57.61, [
Intracilidone, Vibro cholerae, streptomycin resistance induction 3993, 
necrosis, role powdery mildew disease resistance, Hordeum vulgare 3854. 
rifampicin resistance, Rhizobium japonicum, relationship, symbiosis nitrogen fixation 2962.

Saccharomyces, strains development, hybridization, methodology 7801. Mutton,

vacuum packaging, films, oxygen permeability, spoilage, organoleptic evaluation 5363

vacuum packaging, films, oxygen permeability, spoilage, organoleptic evaluation 5362.

Mycella, Agaricus bisporis, growth, carbon sources, Bacillus subtilis cell walls biodegradation 6151.
Aspergillus niger, immobilization, glucose exidase, catalase 1739.
Aspergillus niger, immobilization, glucose exidase, catalase 1739.
Aspergillus, properties of the control of t

2133

2133.
Penicillium commune, bile acids, binding, single-cell protein 7675.
Penicillium commune, bile acids, binding, single-cell protein 7675.
Penicillium, growth, microbeads, fermenters, penicillin production 2270.
Phanerochaete chrysosporium, hydrogen peroxide production, fatty acyl-CoA oxidase activity, lignin biodegradation 3476.
Rhizoctonia bataticola, soil inoculum, Cicer arietinum infection incidence 1976.
Rhizoctonia solani, soil amendment, biological control, hyperparasitism, Verticillium bigutatum, Gliocladium roseum, Solanum tuberosum 2089.
sampling, fermenters 9332.

samping, iermeters \$352.5 staining, soil, phytophthora megasperma f.sp.glycinea 8203. Trichophyton mentagrophytes, imidazoles sensitivity 1340. Mycellophthora thermophila, cellulos biodegradation, taxonomy 1889.

Mycena galopus, competition, Marasmius androsaceus, decomposition, leaf litter, Onychiurus latus grazing effects on, Picea sitchensis 6940. vertical distribution, soil, Onychiurus latus grazing effects on, forests, Picea sitchensis 8939.

Myclozolin

pesticide resistance, Sclerotium cepivorum 5529.

Mycobacterium,
N-acetyl-muramyl-L-alaryt-D-isoglutamine, vaccines development 8388.
antibacteria activity, 3-(2-carboxyhydrazine)-phenylimino-2-oxinobutane, copper, nickel, chelation 4005.

nickel, cheiation 4005.
antibodies, leprosy, detection, enzyme-linked immunosorbent assay 5057.
antibodies, leprosy, detection, enzyme-linked immunosorbent assay 5901.
BCG, vaccinies, characterization 8397.
carboxylic acid derivatives antibacterial activity 3046.
cell adhesion kinetics, foliuling, reverse osmosis membranes, wastewater treatment

cell adhesion kinetics, touring, reverse some 2383.

clinical isolates, identification, use, gas chromatography 1635.

clinical isolates, identification, use, gas chromatography 1635.

drug resistance, antimycobacterial agents, reviews 9061.

ethambufol analogs, antimycobacterial activity 4720.

identification, urease activity, Bactec test 692.

idicator species, pollution control, water reclamation 2394.

isolation, Bactec test comparison media (culture) 1581.

laboratories, quality control 3072.

pephelometry, rifampicin≐ pyrazinamide, antibacterial activity

nephelometry, rifampicin± pyrazinamide, antibacterial activity 7354. ntirite test reagents 754. polysacchardes, biosynthesis, structure 8615. proteins, purification, specificity, use, hemagglutination, hemagglutination inhibition 9290.

inhibition 9290.
Pseudomonas, mixed culture, hydrocarbons oxidation 7312.
public health, leachates, waste disposal, landfills 3198.
recovery, radiometry methodology, respiratory tract, man 1660.
sensitivity, sulfonamides, cotrimoxazole 3045.
steroid reductase, purification, characterization 5148.
Mycobacterium aurum,
progesterone, 1-dehydroprogesterone, biosynthesis, sterois biodegradation 946.
Mycobacterium avium,

ycobacterium avium, antibacterial activity, norifoxacin, ciprofloxacin 9085. detection rates, Bactec test 7583. glutamine synthetase, purification, characterization 5119. susceptibility, heavy metals, salts, anions 3043.

identification, glycolipids, thin-layer chromatography 689.

Mycobacterium bovis,
cytoskielton, BCG purification 3542.
identification methodology, use, thin-layer chromatography 5895.
identification, use, gas chromatography 1635.
media (transport), sodium borate, comparison, chloramine-T 665.
visability, staining methodology 3468.
Mycobacterium chelonel,
antibacterial activity, norifoxacin, ciprofloxacin 9085.
antibacterial activity, norifoxacin, ciprofloxacin 9085.
antibacterial activity, providine-iodine 452.
differentiation, Mycobacterium fortuitum, agar diffusion test, polymyxin,
amikacin 1405.

amiracin 1405.

amiracin 1405.

Indicate a contributation blood culture 1671.

Mycobacterium flavescens, ethambutol, inhibition, spermidine synthase 7353.

Mycobacterium fortultum, antibiacterial activity, fatty acids 8298.

antibiacterial activity, sold segment of the segmen

the semantic of the control of the c

Mycobacterium leprae, ansamycin, antibacterial activity 9086, eel culture, macrophages, animals 7585, drug sensitivity testing, dapsone, rifampicin 4855, enumeration 5902.

drug sensitivity testing, dapsone, rifampicin 4855.
enumeration 5902.
glycolipidis, oligosaccharides, carbohydrate composition, structure 9244.
infacted Dasypodidae liver, isolation methodology 5903.
leprosy, detection, fluorescent antibody test, microscopy 5904.
leprosy, detection, fluorescent antibody test, microscopy 5904.
leprosy, detection, fluorescent antibody test, microscopy 5904.
leprosy, drug resistance, dapsone, man, reviews 3023.
staining methodology 7582.
staining, reviews 3340.
se viability, ATP bioassays, leprosy, man 7584.

Mycobacterium lepræmurlum,
cell culture 6785.
Mycobacterium peratuberculosis,
immunoglobulin G reactivity, detection, enzyme-linked immunosorbent assay 3324.
paratuberculosis diagnosis, immunoperoxidase test 3323.
protoplasm peptides, enzyme-linked immunosorbent assay methodology,
paratuberculosis diagnosis, catile 4185.

Mycobacterium phiel,
antibacterial activity, fatty acids 8298.
growth, metabol-sm, hydrocarbons utilization 422.
immobilized cells, steroids production, sterois conversion 4357.
Mycobacterium serofulaceum,
bactericidal activity, sodium hydroxide 3044.
identification, use, gas chromatography 1635.
susceptibility, heavy metals, salts, anions 3043.
Mycobacterium serofulaceum,
bacterium serofulaceum,
bacteridal activity, latty acids 8298.
auxotrophs isolation, use yea vencomycin, methodology 3348.
Helianthus annuus, trachyloban-19-oic acid, kaur-16-en-19-oic acid, isolation,
antibacterial activity 4009.
lactate 2-monoxygenase, immobilization, use serum L-lactic acid analysis 7748.
Mycobacterium trivale.

antibacterial activity 4009. 
lactate 2-monoxygenase, immobilization, use serum L-lactic acid analysis 7748. 
Mycobacterium triviale, 
biodegradation, heptadecane, hexadecane, gas chromatography 6946. 
Mycobacterium tuberculosis, 
antibacterial activity, antibiotic DL8280 9084. 
antibacterial activity, minocycline4-antibiotercular agents 4722. 
antibacterial activity, minocycline4-antibiotercular agents 4722. 
antibiotic resistance, antibiotic DL 8280 7344. 
bactericidal activity, sodium hydroxide 3044. 
cell culture methodology, saliva pretreatment 5897. 
clinical isolates, drug resistance, antibiotecrular agents, USA, Texas 6422. 
clinical isolates, drug sensitivity testing, drug resistance, antitubercular agents 6443.

agents 6443. contamination, fiberoptics bronchoscopes, disinfection 3221.

detection rates, Bactec test 7583. disinfection, antitubercular agents 1319.

disinfection, antulopercular agents 1319.
drug resistance 4721.
drug sensitivity testing, drug resistance, antitubercular agents 4717.
drug sensitivity testing, drug resistance, antitubercular agents 4717.
drug sensitivity testing, radiometry 3051.
servaracts, fatty acids biosynthesis 1858.
identification, acyl type cell walls, use, glycolic acid assays, methodology

9299.
identification, use, gas chromatography 1635.
meningitis, cerebrospinal fluid immunoglobulin G measurement, enzyme-linked
immunosorbent assay methodology, man 7590.
niacin extraction methodology 722.
nicotinic acid, identification methodology 7580.
proteins, immunoglobulin G, detection, enzyme-linked immunosorbent assay,

Mycobacterium tuberculosis, (continued)
correbrospinal fluid, meningitis, man 6773,
pyrazinamid susceptibility, methodology 1320,
rriampicin resistance, biological properties 7319,
triacylogiverol lipase inhibitors, purification, characterization 4263,
tuberculin, purification, characterization 1706,
tuberculosis diagnosis, erazyme-linked immunosorbent assay, man 4200,
tuberculosis, immunodiagnosis, radiolimmunosorbent assay, man 4200,
tuberculosis, infection, laboratories, man 2414,
tuberculosis, infection, laboratories, man 2414,
tuberculosis, man, sputum containers contamination 2417.
Mycobacterium xenopl,
identification, use, gas chromatography 1635. Mycorrhizas, (continued) 5581.
ecological distribution, Arctic, alpine environments, conferences 2546. effects on, growth, photosynthesis, Pinus contorta 5538. Fagus sylvatica, symbiosis development, ultrastructure 2104. growth, seedings, Pseudotsuga menziesii, Thuja plicata, forests litter effects on 5546. of 548-548.

To 54 mycodactin,
purification, Mycobacterium paratuberculosis 4394.

Mycotora,
chickens feeds, aflatoxins biosynthesis, accumulation, storage conditions effects
on 7094. on 7094. Hellanthus annuus seeds, Argentina 7061. Oryza sativa straw, mycotoxins identification 7093. soli, relationship Aphelenchus avenae, opoulation levels, forests, Pinus radiata, crop fields, Triticum aestivum 8223. Vicia faba flowers, Egypt 7085. on, development 5582.
plant breeding, biotechnology, books 9339.
population levels, primary production, soil, forests 5553.
Pozizella ericae, inhibition meristems development, roots, Calluna vulgaris 5560.
radioactive labelling, chemicals, association, flux, methodolgy, reviews 833.
roots, plants, reviews 5647.
soore germination, pragnic existe methodolgy. Vica faba flowers, Egypt 7085.

Mycolaminaran,
Phytophthora, plasma membranes receptors, stimulation phytoalexins production,
Glycine max 2075.

Mycolic acids,
biosynthesis, Nocardia, antibacterial activity, isoniazid 9099.

Mycophagy,
Aphelenchus avense, population levels, relationship mycoflora, soil, forests,
Pinus radiata, crop fields, Triticum aestivum 8223. roots, plants, reviews 5847. spore germination, organic acids production, agar, association, autoclaves, effects on 5934. symbiosis, Arbutus unedo, ultrastructure \$\tilde{A}^2 22\$. symbiosis, plants, books 3382. symbiosis, plants, books 3382. symbiosis, plants, borizing radiation effects on 8978. trees, books 3381. Tsuga heterophylla, development, nitrogen, fertilizer applications, effects on 5675. Pinus radiata, crop fields, Triticum aestivum 8223.

Mycoplasmes
anima lootates, mixed Infection detection, growth inhibition test 2449.
animbacetul activity, herbicolin A 9214.
animbacetul activity, herbicolin A 9214.
animbacetul vectors host range, Dalbulus longulus 7960.
bushones, staining, measuring techniques 5893.
contamination, cell culture, detection, electron microscopy, methodology 3349.
growth inhibitors, purification, characterization 868.
identification, counter immunoelectrophoresis methodology, mycoplasmosis immunodiagnosis, cattle 6779,
infection, Trifolium repens, pathogenesis, Canada 2778,
infection, Trifolium repens, pathogenesis, Canada 2778,
isolation, identification, media (isolation) comparison 658,
isolation, semen, cattle, artibiotic sensitivity testing 7473.
laboratories methodology, books, morphology, ultrastructure, cell culture,
identification 3377. 8914.

Mycoaphaerella fijlensis var.difformis, sigatoka, disease resistance, plant breeding, Musa 3870.

Mycoaphaerella graminicola, infection, Tritcum aestivum, factors affecting pathogenesis 7946.

Mycoaphaerella juglandis ap.nov, leafspot, Juglans nigra 7163.

Mycoaphaerella killianti, blotch, Trifolium repens 8781.

Mycoaphaerella pinodes, infection, phytotoxins isolation, Pisum sativum 2781.

Mycoaphaerella sentina, leafspot, disease resistance, Pyrus amygdaliformis, Pyrus communis 8080.

Mycotoxicosia, association ingestion animals feeds, Yuooslavia 7048. isoriatoria catte, attuccus sensitivity testing 74/3.

Michael Charles (DNA-dependent) isolation 923.

Mycopiasma columborate, discistion 1885.

Mycopiasma columborate, antibiotic sensitivity testing, dilution tests, antibiotic resistance 3087.

Mycopiasma gallinaceum, chickens antimal isolates, antibiotic resistance 3087.

Mycopiasma gallinaceum, chickens antimal isolates, antibiotic resistance 3087.

Mycopiasma gallinaceum, chickens antimal isolates, antibiotic sensitivity testing, dilution tests, antibiotic resistance 3087.

Mycopiasma gallinaceum, chickens antimal isolates, antibiotic sensitivity testing, dilution tests, antibiotic resistance 3087.

Mycopiasma gallinaceum, chickens antimal isolates, antibiotic sensitivity testing, dilution tests, antibiotic resistance 5087.

Mycopiasma gallinaceum, chickens on 5022.

Lutture methodology, disas beads carriers 1571.

Infection, diagnosis, agglutination, methodology, chickens 5078.

Mycopiasma hominia, enumeration, methodology 659.

miokamycin antibacterial activity 9388.

Mycopiasma hyopneumoniae, antibiotics, detection, enzyme-linked immunosorbent assay comparison, indirect hemagglutination, complement fixation 740.

Mycopiasma praeumoniae, antibiotics, detection, enzyme-linked immunosorbent assay, diagnosis 5894.

Mycopiasma praeumoniae, antibiotics, detection, comparison mammalian cells 38.

Mycopiasma praeumoniae, antibiotics, detection, enzyme-linked immunosorbent assay 657.

Mycopiasma pulmonia, antibiotics antibiot association ingestion animals feeds, Yugoslavia 7048. association, mycotoxins food contamination, man, animals, books, conferences 7647 Fusarium, food poisoning, domestic animals, reviews 7017. Fusarium, food poisoning, comestic ariinnas, reviews 7 077.

Mycotoxins,
antibodies association, production, use, detection, food contamination, serum
levels, reviews 7082.

Aspergillus, Fusarium, Chaetomium, food contamination, man, books 6798.
Aspergillus ustus austocystin D, biosynthesis, N.M.R. S378.
association, classification, Peinicillium 1925.
association, classification, Peinicillium 1925.
barley contamination 1082.
biosynthesis, Afternaria atternata, water activity, temperature effects on, wheat
S371.
biosynthesis, Eusarium, reviews 7105. 53371.
biosynthesis, Fusarium, reviews 7105.
biosynthesis, Fusarium roseum, Fusarium tricinctum, silage fermentation, Loliumperenne 5369.
biosynthesis, Penicillium nigricans, fermentation methodology 7043.
books 5939. biosynthesis, Penicillium nigricans, fermentation methodology 7043.

books 5939.

contamination, assays, dietary intake safety, man, reviews 7045, contamination, food, detection, thin-layer chromatography 5366, cyclopiazonic acid, production, Aspergillius tamarii 221.

e-cyclopiazonic acid production, Penicillium, Aspergillus 5370, detection, animals feeds, methodology, use, high-performance liquid chromatography, thin-layer chromatography 7053.

detection, Fusarium ear rot, Zea mays 7083.

detection, Hientification, cheese food contamination, Penicillium 7080, detection, media (culture), Aspergillus, Penicillium 5368.

diplosporin, biosynthesis, radioactive labelling, Diploidia macrospora 3744.

feeds contamination, feeding behavior, chickens 7898.

feeds, surveillance, Australia 1074.

food contamination, animals feeds, screening methodology, British Isles 7047.

food contamination, cereals food, cereals grain, methodology 225.

food contamination, decontamination methodology, reviews 7073.

food contamination, feeds contamination, detoxification 7833.

food contamination, man, animals, screening methodology, reviews 7079.

food contamination, man, animals, screening methodology, reviews 7079.

food contamination, man, animals, screening methodology, reviews 7079.

food contamination, screening methodology, reviews 7079. growth, yolk containing media (culture) 1874, 
infection, immunodiagnosis, enzyme-linked immunosorbent assay 657. 
Mycoplasma pulmonis, 
antibodies, detection, immunoassays 5021. 
Mycoplasma salivarium, 
aminopepidase, purification, characterization 5996. 
Mycoplasma synovise, 
antigens, yields, pH, effects on 5022. 
chickens animal isolates, antibiotic sensitivity testing, dilution tests, 
antibiotic resistance 3087. 
Mycoplasma-like organisms. antibiotic resistance 3087.

Mycoplasma-like organizadelikidae, reviews, Oryza sativa 7158.
disease transmission, Cleadelikidae, reviews, Oryza sativa 7158.
etiology, little leaf, Wissadula periplocifolia, Jamaica, new records 2046.
irifection, Caladium hortulanum leaves, electron microscopy 1163.
irifection, leaves, Eucalyptus 4617.
isolation, enzymes digestion, phioem, Catharanthus roseus 281.
little leaf, disease transmission, treatment, Wissadula periplocifolia, Jamaica
2047. little leaf, Ipomoea batatas 6286.
little leaf, phoem, Vaccinium vitts-idaea, Vaccinium myrtillus 6275.
phyllody, Manihol esculerta, Colombia 8027.
phyllody, uttrastructure, lesions, leaves, Leguminosae 8773.
plant diseases 3771.
pleomorphism, staining, infection, Catharanthus roseus 2816.
sturtt, Gypsophila paniculata 3847.
vectors, Dolphacidae, Cicadellidae, disease transmission 7157.
western X. disease, disease spread, Prunus virginiana, Prunus americana 2802.
identification, antisera production, standardization 6756.
Mycoplasmosis,
immunodiagnosis, counter immunoelectrophoresis methydology. Abacology. little leaf, Ipomoea batatas 6286. food contamination, safety regulations, limitations, reviews 7065. food contamination, screening, prevention, control association food processing, reviews 7070. reviews 7070. food contamination, wheat 7098. food contamination, Zea mays, intoxication, cattle 6205. fungl, food contamination, books 3384. Fusarium, biosynthesis, role, plant diseases, reviews 7100. Fusarium, contamination, food, reviews 7102. Fusarium, detection, cereals, use, gas chromatography 7077. Fusarium, detection, physicochemical properties, reviews 7104. Fusarium, feeding regimes, turkeys, females, reproduction 3720. gas chromatography, food contamination, grain, Hordeum vulgare 7107. identification, mycoflora, straw, Oryza sativa 7093. levels, Roquefort cheese, Egypt 7058. immunodiagnosis, counter immunoelectrophoresis methodology, Mycoplasma identification, cattle 6779.

Mycotoxins, (continued)
nuts contamination 3694.
penitrem A biosynthesis, Penicillium crustosum 4471.
phomopsin A amino acid sequence, N.M.R. use, Phomopsis leptostromiformis 3735.
plant diseases, Fusarium, reviews, books 7649.

prant useases, rusanum, reviews, books 7649, reviews 7663. toridin A, isolation, characterization, Phomopsis 7896, sweinsonine, Rhizoctonia leguminicola, contamination, hay, Trifolium pratense, mycotoxicosis, horses 8728.

es levels, metabolism, animals, cow's milk, eggs, role transmission, reviews

7075.

Myrica gale,
actinorrhizas, nitrogen fixation, litter decomposition, nitrogen cycle, peatlands

8244.
actinorrhizas, nitrogen fixation, seasonal variations, peatlands 9001.
nitrogen fixation, actinorrhizas 4608.
nodulation, Frankia 4603.
nodulates, actinorrhizas, hemoglobins levels 4605.
nodules, rankia, hemoglobin levels, energy metabolism, nitrogenase 2898.
nodules, Frankia, nitrogenase activity, seasonal variations 4607.

nodules, Frankia, hirrogenase activity, seasonal variations woor, Myrotheclum roridum, antagonism, Rhizobium growth, in vitro 7248. fruit rot, post-harvest decay 8876. infection, Vigna unguiculata, leaves amino acid composition 1977. leafspot, Dieffenbachia maculata, temperature effects on 6255. leafspot, Eichhomia crassipes 8818. metabolities new records, trichoverritone, 16-hydroxyroridin 1929. Myrothacium vagnicaria.

Interacolites new records, trichoverritone, 16-hydroxyroridin 1929.

Myrotheclum verrucarla,
biliverdin reductase, purification, characterization 94.

vernucard production, in vitro 7895.

Mythinna spectrata,
pathogenesis, histopathology, biological control, nuclear polyhedrosis virus

779.

Myxalamids, production, physicochemical properties, antimicrobial activity, Myxococcus xanthus 2291. xanthus 2291.

Myzobacterales,
lysis, Phizoctonia solani hyphae, Cochliobolus miyabeanus conidia, soil
microorganisms, biological control, plant diseases 8920.

Myzococus ulvus,
myxopyronin A, biosynthesis pathway 9209.
myxopyronin A, myxopyronin B, biosynthesis, myxopyronin B, 4885.
myxopyronin, RNA biosynthesis inhibition, antibacterial activity 3130.

Myzococus vireacena,
myxovirescin A biosynthesis 3126.

Myxococus xanthus,
antibiotic M-230B production, isolation, characterization 4062,
antibiotic TA, adherence, antibacterial activity, characterization 9211.
antibiotic TA, adherence, antibacterial activity, characterization 9211.
antibiotic TA biosynthesis, amino acidis precursors 1421.
myxalamids, production, physicochemical properties, antimicrobial activity 2291.
Myxomycates,
soil, environmental effects, altitude, USA, Rocky Mountains 387.
Myxopyronin,

soil, environmental effects, altitude, USA, Rocky Mountains 387.

Myxopyronin,
RNA biosynthesis inhibition, antibacterial activity 3130.

Myxopyronin A,
biosynthesis pathway, Myxococcus fulvus 9209.
biosynthesis, structure, Myxococcus fulvus 4885.

Myxopyronin B,
biosynthesis, structure, Myxococcus fulvus 4885.

Myxopyronin B,
Myxococcus viescens, biosynthesis 3126.

Myzus persicae,
biological control, benomyl foliar applications effects on, Verticillium lecanii
6091.

disease transmission, plant disease actions.

disease transmission, plant diseases, potato virus Y,  $\beta$ -famesene derivatives effects on 5401. disease transmission, soybean mosaic virus infection, Glycine max 1973. disease transmission, tomato yellow top virus, host range, Solanaceae 7180. disease transmission, watermelon mosaic virus, foliar application, oils,

disease transmission, watermeion mosaic virus, toilar application, uils, Cucuritàr pepo 6277. heredity, potato virus Y, disease transmission, Datura metel 3827. role, disease transmission, potato virus Y, potato leaf roil virus, Solanum tuberosum 8023. vectors, potato leaf roll virus, disease transmission, host range 4553. vectors, potato leaf roll virus infection, Solanum tuberosum, insecticides, disease control 2065.

N.M.R.

I.M.R., active centers, flavodoxin, redox potential, Megasphaera elsdenii 7665. Aspergilius ustus austocystin D biosynthesis 5378. avoparcin, antibacterial activity association conformation 6553. azurin, Pseudomonas aeruginosa 2584. azurin, Pseudomonas aeruginosa 6928. biolinding sites, alkaline phosphatase, Escherichia coli 2587. biosynthesis, triostin A, echinomycin, bacteria 4066. carbon-13 distribution, fatty acids, Cenococcum graniforme, Hebeloma crustuliniforme 9957.

crustulinitorine 9997.
chlamydocin-in-analogs conformation 2305.
conformation, L-histidine binding histidine-binding protein, Salmonella
typhimurium 6811.

typhimurium 6811.
cyclopadic acid, isolation, Aspergiilius ustus, characterization 6803.
cytochrome c 554, Akcaligenes faecalis 3439.
cytochrome c 554, Pseudomonas perfectomarinus 7710.
cytochrome c 556, Akcaligenes faecalis 8520.
cytochromes c 556, Akcaligenes faecalis 8520.
cytochromes redox potential, Pseudomonas stutzeri 7713.
DNA-binding protein multiple forms, Escherichia coll 2562.
ferricytochrome c 550, ferrocytochrome c 550, Paracoccus denitrificans 7701.
gramicidin A 4057.
gramicidin A, peptide synthesis 3141.
hydrogen bonding, toxins, Helminthosporium carbonum 7911.
c-mannans structure, yeasts 8614.
methanophosphagen, Methanobacterium thermoautotrophicum, new records 979.
phalolidin, thiosetter cross-linking, conformation, Amanita phalioides 3755.
phospholipase C active sites, Bacilius cereus 5966.

N.M.R., (continued)

phosphorus 31 metabolism, wastewater treatment, microorganisms 4092. polymyxin B 2279.

porphysis D 22/3 protons, ATP stoichiometry, membrane potential, adenosinetriphosphatase, mutants, Escherichia coli 8531. pseudomoria colid, Pseudomonas fluorescens 7457. pyruvate dehydrogenase (lipoamide) complex, domains structure, Bacillus

stearothermophilus 3462. roseotoxin B, Trichothecium roseum 8755

Safracin, physicochemical properties 959.
spectroscopy, murceins, isolation, Nocardia orientalis 6805.
streptothricin biosynthesis, arginine radioactive labelling, Streptomyces 6569.
structure, citrinin iosynthesis, Aspergillus terreus 6570.
structure, factor F430, Methanobacterium thermoautotrophicum 6071.

Structure, liactor F430, Methanobacterium thermoautotrophicum 6071. 
structure, injammycin 2294. 
structure, mitomycin C 544. 
structure, mitomycin C 544. 
structure, structure

3735.
vancomycin, biosynthesis, characterization 7463.
vancomycin, biosynthesis, characterization 7463.
victoxinine derivatives, toxins, Helminthosporium victoriae 3733.
virginiamycin, artibiotic A2315A, biosynthesis 532.
N,N\*-Oleyclohexylcarbodilmide,
inhibition adenosinetriphosphatase, Lactobacillus casei 2589.
N\*-(2-Hydroxyethyl) adenosine,
purification, Cordyceps, Isaria, biological activity, calcium antagonists,
inotropism, guinea-pigs 6060.

NAD,

NAU, blood culture, effects on Haemophilus influenzae growth 791. genes, role, Escherichia coli mutagenicity testing 6775. NAD kinase, mmobilized enzymes, NADP production, ATP recycling 143. NADH,

NADH, regeneration, dehydrocholic acid reduction, 12-ketochenodeoxycholic acid synthesis, activity 6090. NADH dehydrogenase, purification, characterization, Rhodopseudomonas capsulata 5989. NADP, production, ATP recycling, immobilized enzymes, acetate kinase, NAD+ kinase

143 NADPH,

mercuric reductase reaction, kinetics, mechanisms, plasmid pVS1, Pseudomonas aeruginosa 1762 Nafcillin,

archibiotic resistance, micromethods, dilution tests, Staphylococcus, use sodium chloride containing Mueller-Hinton agar 3012. antibiotic synergism, rifamycin, antibacterial activity, Staphylococcus epidermidis 8359.

± tobramycin, ± gentamicin, bactericidal activity, Staphylococcus aureus, serum assays, treatment, endocarditis, rabbits 478.

Naftifine,

antifungal activity, ergosterol biosynthesis, Candida albicans 5734. derivatives, antifungal activity, squalene monooxygenase (2,3-epoxidizing) inhibition 8320.

NAD(P)H dehydrogenase (FMN),

+7a-hydroxysteroid dehydrogenase+alkanal monooxygenase (FMN-linked), immobilized enzymes, determination bile, serum 5131.

NalidixIc acid,

Mulicitive acid,
analogs, antibacterial activity 4735,
analogs, antibacterial activity 4735,
analogs, antibacterial activity 4735,
antibacterial activity 655,
antibacterial activity, Chlamydia trachomatis 3119,
antibacterial activity, Chlamydia trachomatis 3119,
antibacterial activity, Corportoxacin comparison 6465,
antibibitos reaction mechanisms, DNA supercoiling, DNA gyrase inhibition,
Escherichia coli 6560,
comparison, norfloxacin, antibacterial activity, Enterobacteriaceae 7373,
cross-resistance, Pseudomonas aeruginosa, Escherichia coli 6421,
drug resistance, Escherichia coli, Pseudomonas aeruginosa 4700,
drug sensitivity testing, Aeromonas salmonoicida 8303,
+EDTA-tromethamine, antibacterial activity, gram-positive bacteria 4816,
treatment, urinary tract infection, bacteria, man 2212.
Naphthalene,
biodegradation, marine environment isolates, Penicillium, yeasts 7310,
biodegradation, filorococcus 1294,
biodegradation, plasmids, genetic analysis, reviews, hydrocarbon-degrading
bacteria 8284,
biodegradation, reviews 8278.
Naphthaquinone,

Naphthaquinone, biosynthesis, yeasts, morphology, growth 6563.

Naphthor-pyrone, biosynthesis, Asprajillus niger, cottonseed contamination isolates 6105.
1,4-Naphthoquinone,

derivatives, antifungal activity 9103. Napropamide,

effects on, development, mycorrhizas, Pinus ponderosa, Pseudotsuga menziesii 5582. effects on Frankia, actinorrhizas, plants infectivity 2123.

Narcissus latent virus, infection, detection, use, electrophoresis, Iris 8816.

Nasopharynx,

asopinaryna, carcinoma, immunodiagnosis, autoradiography, Epstein-Barr virus, immunoglobulin A antibodies, man 4992. secretions, detection, respiratory syncytial virus, use, immunoperoxidase test, man 3234

secretions, immunoassays diagnosis adenovirus (human) infection, children 3238. secretions, respiratory syncytial virus detection, fluorescent antibody test

National parks,

National parks, iceland, Rhytisma salicinum infection, Salix 7195.

Natural enemies, nuclear polyhedrosis virus, Tipula iridescent virus, bacteria, pathogens, surveys, use, biological control, Tipula paludosa 2662.

Natural killer cells, cytotoxicity, stimulation, influenza virus hemagglutinins, use vaccines

Neisseria meningitidis, (continued)
iipopolysaccharides, oligosaccharides structure 1832.
meningitis, diagnosis, cerebrospinal fluid Phadebact test, man 3321.
meningitis, immunodiagnosis, counter immunoelectrophoresis, agglutination 2488.
piii, vaccines, production, immunogenicity 538.
Neisseriacese,
identification methodology, lectins slides agglutination 5042. Natural killer cells, (continued) production 6647. Necatorin, stability, Lactarius necator 7904 post-harvest decay, Botrytis allii, harvesting, drying effects on, onions 8055. post-harvest decay, botrytis allin, narvesung, crying directs on, orino is 5003.

Necroalis,
Lycopersicon esculentum, Cladosporium fulvum infection 5485.

mutation, role powdery mildew disease resistance, Hordeum vulgare 3854.

Pseudomonas corrugata, immunodiagnosis, enzyme-liniked immunosorbent assay,
Lycopersicon esculentum 8835.

roots, Citrus sinensis, Citrus jambhiri, association, blight, Fusarium isolation
1136. population dynamics, nematophagous fungi parasitism, predation, activated sludge 7537. Nematicides antimicrobial activity, soil microorganisms 1325. effects on Actinomycetes, distribution, incidence, pasture 7295. antimicrobial activity, soil microorganisms 1325.
effects on Actinomycetes, distribution, incidence, pasture 7295.

Nematoda,
fungi parasites, nematophagous fungi, soil, Antarctica 8982.
infestation, culture, fruit bodies production, Basidiomycetes 7854.
infestation, pest control, fruit bodies production, culture, Basidiomycetes 7855.
plantis pathogens, interaction, endomycorrhizas, reviews 392.
predator-prey interactions, Arthrobotivs oilgospora, transmission electron
microscopy 2125.
soil-borne diseases suppressive soils, biological control 330.
soil-borne diseases suppressive soils, biological control 330.
Soil-borne diseases transmission 6217.
Nematophagous fungi,
Arthrobotivy irregularis, pest control, soil properties, pesticide residues
effects on, Meloidogyne 5218.
Arthrobotivy silogospora, predator-prey interactions, Nematoda, transmission
electron microscopy 2125.
isolation, methodology, ecological distribution, soil 5923.
parasitism, predation, Nemata population dynamics, activated sludge 7537.
predator-prey interactions, Rhabdrits, Aphelenchus, Mexico 2126.
soil, Antarctica 9982.
Neo-anactins,
high-pressure liquid chromatography, physicochemical properties, biological
properties, isolation, Streptoverticillium olivoreticuli subsp.neoenacticus 2288.
Neocaractios,
purification, characterization, ion-exchange chromatography, Streptomyces 1138.

ultrastructure, disease resistance, Cronartium quercuum f.sp.fusiforme, fusiform nust, embryos, Pinus taeda 362.
Xanthomonas campestris pv.populi, bark, Populus 8171.

Nectria cinnabarina,
Gleditiai triacartifios var.inermis canker, susceptibility, benomyl, disease control 3915.

Nectria propriese var faciliata. commo 3915.

Mecfria coccinee ver.faginata,
host-pathogen interactions, phenols levels, bark, Fagus grandifolia 8188.
Mecfria hose-pathogen interactions, phenols levels, bark, Fagus grandifolia 8188.
DNA, isolation methodology, organelles, plasmids 3365.

Mecfria haematococca,
inoculation, Sophora japonica leaves, phytoalexins production 1131,
phytoalexins tolerance, characterization 426,
pisatin tolerance, detoxification relationship 431.

Meadle bilght,
disease resistance, Pinus ponderosa, USA 8941.
Dothistroma septospora, Pinus radiata pathology, Ecuador 5600.

Needlecast,
Phaeocryptopus gaeumannii, Pseudolsuga menziesii, effects on harvestii eedlecase, Phaeocryptopus gaeumannii, Pseudotsuga menziesii, effects on harvesting leaves dehydration, retention 3911. 
Finus, biological control, use, Candida 2924. 
Finus sylvestris, association nutrient dynamics 5601. 
Finus sylvestris, association nutrient dynamics 5601. 
Finizosphaera oudemansii. Abbe pinsapo, pathogenesis 5608. Neocarzinostatin, 
purification, characterization, ion-exchange chromatography, Streptomyces 
carzinostaticus 4374.

Neocopiamycin A,

Streptomyces hygroscopicus subsp.crystallogenes biosynthesis, isolation, 
characterization, antibacterial activity, antifungal activity 4871.

Neodiprion sertifer, 
laurae historical ordera murkaer potyhedrosis virus 6092. Negamyoln, precursors, production, dimethyl 3-benzyloxycarbonylaminoglutaric acid hydrolysis, stereoselectivity, enzymes, bacteria 2308. 2-acetylpyrimidine, 2-acetylquinoline, 1-acetylsoquinoline, 3-acetylpyrimidine, thiosemicarbazones, antibacterial activity 7372. ceffriaxone antibacterial activity, agar diffusion test i 392. differentiation, Haemophilus, micromethods, biochemical analysis 3290. identification, methodology, comparison 680. oxidation fermentation media, acid production detection 1658. Nelsserla gonorrhoese, anaerobic environments, storage conditions 735. antibacterial activity, ciprofloxacin, comparison, norfloxacin, nalidixic acid 6465. larvae, biological control, nuclear polyhedrosis virus 6093.

Neomicin suifate,
antibacterial activity, antibiotic sensitivity testing 4852. ambidatement accently, ambidute sensitivity results accently, antibiotic resistance, animal isolates, mastitis, Streptococcus agalactiae, Staphylococcus aureus, Streptococcus 9083.

antibiotic resistance, Staphylococcus aureus, relationship protein A biosynthesis 9054 9094. antibiotic sensitivity testing, gram-negative bacteria, isolation, heart surgery postoperative infection 3107. biosynthesis pathways, Streptomyces fradiae 4051. Escherichia coli resistant mutant, nitrofuran cross-resistance, genetic analysis 6485
antibacterial activity, fludalanine+ pentizidone 6454.
antibacterial activity, temociliin 3105.
antibiotic resistance, spectionmycin, characterization 2209.
antibiotic setistance, apectionmycin, characterization 2209.
antibiotic RU 28965, antibacterial activity 4878.
antibiotic sensitivity testing, 4904.
antibiotic sensitivity testing, β-lactam antibiotics, aminoglycoside antibiotics ensitivity testing, β-lactam antibiotics, inoculum size effects on 7426.
antibiotics effects on antibiotics ensitivity testing, security networking methodology, man 1586.
antigens detection, enzyme immunoassay 4180.
auxofyping, serotyping, antibiotic sensitivity testing, gonorrhea epidemiology, man 482. 9065 sterilization, radiation 1378. sterilization, radiation 1378.

\*\*Meonates,
baths, washing, relationship, skin microflora, bacteria infection, man 6729.

man, bacteria microflora antibiotic resistance 7332.

man, hacteria microflora antibiotic resistance 7332.

man, immunoelectron microscopy methodology detection feces viruses, association gastroenteritis 3252.

man, rotavirus (human) detection, enzyme-linked immunosorbent assay methodology feces 8444.

pigs, cliarrhea, clinical isolates, Escherichia coli, antibiotic sensitivity

\*\*testing 5758.\*\*

\*\*Neopeptin\*\*, structure. Streutomyces 4868. clinical isolates, envelopes, mutation, enhancement, antibiotics, susceptibility 5761 5761.

Cifnical isolates recovery, media (isolation) comparison 1577.

colonial characteristics, media (culture), chemical composition 3341.

celection, genital tract, enzyme-linked immunosorbent assay, methudology, comparison, man 7607.

celection methodology, B-lactamase production relationship 3286.

celection, use, agglutination 3300.

dihydrofolate synthetase, purification, characterization 5183.

DNA hybridization analysis, use, differential diagnosis, urethritis, non-specific ture. Streptomyces 4868. su drure, preptomyces 4868.

Neoplectane carpocapsee,
+Bacillus thuringiensis subsp.kurstaki, biological control, pest control,
Platyptilia carduidactyla 5216.

Neospiramycin I, detection, use, agglufination occurs, dirytorloitate synthetase, purification, characterises, use differential diagnosis, urethnus, non-urethritis, man 679, drug sensitivity testing, B-lactamase production relationship 1377, genitourinary tract gonorrhea, diagnosis, enzyme immunoassay 2481, gonorrhea, limitus lysete test, diagnosis, females, man 3276, identification, catalase detection 691, identification, catalase detection 691, identification, dinical microbiology 687, identification methodology, lectins use 5046. Isolation, identification, quality control, USA 3075, isolation, identification, quality control, USA 3075, isolation, tubiccans, effects on, medical instruments, genital tract 697, isolation, tubiccans, effects on, medical instruments, genital tract 697, isolation, inclinating the control of synthesis, chemical modification 1449. leovosale Indica, bunt, association, loose smut, Ustilago nuda var.tritici, pathology, Triticum aestivum 8799. isolation, Transgrow media, use, ammonium bicarbonate, comparison, carbon dici 3288.
β-lactamase, biosynthesis, detection, methodology 30.
media (culture), penticillin resistance, β-lactamase production 718.
media (culture), penicillin resistance, β-lactamase production 718.
media (solation) selectivity 5047.
norfloxacin drug sensitivity testing 9095.
pili, vaccines, production 539.
pili, vaccines, production 539.
pili, vaccines, production 539.
pili, vaccines, production immunogenicity 538.
probenecid, antibacterial activity, interaction, benzylpenicillin 6459.
rlosomes antigens, immunodiagnosis, gonorrhea, man 714.
tetrahydrofolate dehydrogenase, methortexate inhibition, kinetica 8579.
transformation methodology, infection detection, clinical isolates 727.
urethritis, diagnosis, Limiulus lysate test, methodology, man 671.

Nelsaeria meningitidis,
antibiotice RU 25965, antibacterial activity 4878.
antibiocies, detection, spin probes plasma membranes immunoassays 3325.
clinical solates, identification, sodium dodecyl sulfate+polyacrylamide gels
electrophoresis, comparison, typing 2456.
infection, clinical microbiology, diagnosis, man 5062.
latox agglutination, detection, antigens, body fluids, man 3310.
lipopolyaccharides, conquigation Clostridium letani toxoids, antibody response,
vaccines, rabbits 1453. Nephrotic syndrome, association, hemorrhagic fever, viruses, etiology, immune adherence, immunoassa; Nerlum oleande nogenicity, Pseudomonas, syringae pv.savastanoi 4558. Net blotch, Drechslera teres, yield, Hordeum vulgare, Denmark 8782.
Helminithosporium teres, disease resistance, genetic variance, plant breeding,
Hordeum vulgare 316. Pyrenophora teres, barley yellow dwarf virus effects on disease resistance, Hordeum vulgare 1196.

Pyrenophora teres, cytopathogenicity, Hordeum vulgare 1982.

ater treatment, enterovirus, removal, surface water 4953.

Nettimicin

interinten, agar diffusion test, Pseudomonas aeruginosa 4865. antibacterial activity, clinical isolates, Pseudomonas aeruginosa 9204. antibacterial activity, clinical isolates, Pseudomonas aeruginosa 9204. antibacterial activity, clinical isolates, Pseudomonas aeruginosa 9204. antibiotic sensitivity retarenta 5355, panneiro 19162. de cefrazidime, antibacterial activity, parm-negative bacteria 7428. disc-diffusion test, quality control 307. inmunoassays, serum 530. estembora estembo pulmication, Yersinia pseudouperculosis subsp.postis, cheracienzation odoc.

Neurospora catechol oxidase, monophenol monooxygenase, copper active sites, role tryptophan, fluorescence 5173.

Neurospora crassa, adenylate cyclase activity, calmodulin activation 7753, alkaline phosphatase, purification, characterization 7696, catechol oxidase, monophenol monooxygenase, active sites, copper complex, comparison, Agragius historyus 6174.

alkaline phosphatase, purfication, characterization 7696.

catechol oxidase, monophenol monooxygenase, active sites, copper complex, comparison Agaricus bisporus 5174.

colonies filters hybridization methodology 2534.

conida germination, protein biosynthesis 3478.
3':5'-cyclic-nucleotide phosphodiesterase activity, calmodulin stimulation 2583.

DNA, isolation methodology, organelles, plasmids 3365.

DNA polymerase, purification, characterization 3477.

endo-1.4-β-D-xylanase, exo-1.4-β-D-xylosidase, biosynthesis, characterization 6013.

extracellular enzymes, proteinase, characterization 6885.

nickel resistance, copper toxicity 1312.

intrate reductase, purfication, characterization 2591.

thymidine, 2-oxoguluarate dioxygenase, purfication, characterization, electrophoresis, chromatography 5122.

Neurospora tetrasperma.

DNA, isolation methodology, organelles, plasmids 3365.

Neurotoxins,

multiple forms, purfication, characterization, affinity chromatography, chromatofocusing, clostridium tetani 7908.

multiple forms, purfication, characterization, antigenicity, comparison, Clostridium botulinum 8213.

purfication, characterization, amino acid composition, Clostridium botulinum 8213.

purification, characterization, amino acid composition, Clostridium botulinum

Neutralization

antibodies detection, avian infectious bronchitis virus, chickens 3245

assay 2436.

cloning, gene expression, vaccines production, herpes simplex virus 6610.

Clostridium tetani antitoxins 5383.

comparison, enzyme-linked immunosorbent assay methodology, respiratory syncytial virus antibodies 5008.

detection, Clostridium tetani antitoxins, serum, man 4488.

herpesvirus (equine) 1 detection, serum, horse 606.

immunoperoxidase test, detection, antibodies, hog cholera virus, bovine diarrhea-mucosal disease virus, pigs 6743.

methodology comparison, latex agglutination, rubella virus antibodies detection 1540. antibody response, mumps virus vaccines, comparison enzyme-linked immunosorbent assay 2436.

New Zaeland,
introduced species, phytopathogenic fungi spores, quarantine 6329,
pasture, nitrogen cycle, soil microorganisms activity 7268,
pasture, soil microorganisms, biomass, biochemical characteristics 6346,
waste water, viruses detection, identification 3219.

New Zaeland bleck mouse,
cell lines, xenotropic 620,
New Catel disease,
mirromethods 620,
Newcastle disease,
immunity detection, enzyme-linked immunosorbent assay, chickens 3244.
Newcastle disease,
antibodies, detection, enzyme-linked immunosorbent assay, methodology 5017,
antibodies, detection, enzyme-linked immunosorbent assay, methodology 5017,
antibodies, detection, enzyme-linked immunosorbent assay, methodology 5017,
introition, interferon antiviral activity, HeLa cells, mice L cells 1350.
L cells, interferon induction, antiviral activity 467.

Mycobacterium tuberculosis, extraction methodology 722.

INCLEDITY CONTROL OF THE PROPERTY OF THE PR

hydrogenase components, Bradyrhizobium japonicum 6826. industrial effluents, toxicity, methanogenic bacteria, digestion (anaerobic)

1483.

Klebsiella aerogenes capsules polymers binding, activated sludge 6679.

pollution effects, community composition, soil microorganisms 2142.

resistance, copper toxicity, Neurospora crassa 1312.

Nickel tetrapyrrole cofactor F430,

multiple forms comparsson, U. V. spectroscopy, mass spectroscopy, Methanobacterium thermoautotrophicum 4291.

Micotlana benthamiana, tomato golden mosaic virus infected, DNA, supercoiling, isolation, methodology 6279.

Nicottana glutinosa, diterpenes, inhibition Erysiphe cichoracearum, powdery mildew, foliar applications, Nicotiana tabacum 2076. Nicotiana rustica,

Agrobacterium tumefaciens crown gall, octopine biosynthesis detection 2808. Nicotiana tabacum, Aphididae, association, helper factor, disease transmission, tobacco etch virus

4552

Nicotiana tabacum, (continued)

Ilicottans tabacum, (continued)
blue mold, conidia infectivity, overwintering, Peronospora hyoscyami 8817.
blue mold. Peronospora tabacina, metalaxyl, effects on 8136.
callus culture, plant breeding, inheritance disease resistance, Pseudomonas
syringae tabacı wildfire, Alternaria alternata brown spot 317.
callus, Peronospora tabacina, infection, colonization 4550.
cells, leaves cell walls, Pseudomonas solanacearum cell adhesion 6282.
crown gall, Agrobacterium tumefaciens, disease control, salicylic acid,
acetylsalicylic acid 7217.
cultivars, tobacco mosaic virus multiplication, spreading, aspirin, polyacrylic
acid effects on 1141.
delection, identification, tobacco vain mottling virus 8271.

detection, identification, tobacco vein mottling virus 6271.
disease resistance, damping-off, Philippines 712.
disease resistance, damping-off, Philippines 712.
epidemics, black shank, Phylophthora parasitica var. nicotianae 3830.
hypersensitive response, ethylene biosynthesis, infection, tobacco mosaic virus, tobacco necrosis virus 2060.

hypersensitive response, role, Pseudomonas solanacearum lipopolysaccharides structure 7169.

hypersensitive response, tobacco necrosis virus 2057, α-interferon, disease control, infectivity, replication, tobacco mosaic virus

8928

leaves histopathology, tomato mosaic virus 7168.

leaves histopathology, tomato mosaic virus 7168.

leaves, hypersensitive response, ethylene biosynthesis, tobacco mosaic virus, temperature, light effects on 2061.

leaves, hypersensitive response proteins isolation, tobacco mosaic virus infection 7199.

leaves, lesions, alfalfa mosaic virus 8857.

leaves, mycoflora, isolation, aflatoxins biosynthesis, Iraq 7089. leaves, storage conditions effects on Aspergillus flavus aflatoxins biosynthesis

leaves, 7092

esophyll protoplasts, tobacco mosaic virus coat protein, mRNA characterization 286.

Petronospora tabacina, pathogenesis, inoculum potential, seasonal varia petioles, tissue culture, ribavirin antiviral activity, potato virus Y, tobacco

periolis, issue culture, participations, induction journal, sessoriar variations a periolise, issue culture, pitavirin artiviral activity, potato virus Y, tobacco mosaic virus, cucumber mosaic virus disease resistance, Taiwan 5480, plant diseases, tobacco mosaic virus, inhibitors, antiviral activity 4575, potato virus X, disease control, N-phenyl-N-aryt fibioreas derivatives, structure-activity relationships 4592, powdery mildew, Erysiphe cichoracearum, inhibition, foliar applications, Nicotiana glutinosa diterpenes 2076. roots tissue culture, Agrobacterium mizogenes transformation, effects on susceptibility, infection, tobacco mosaic virus, disease control, 2-(a-hydroxybenzyl)benzimidazole inhibition RNA biosynthesis 7216. (a-hydroxybenzyl)benzimidazole inhibition RNA biosynthesis 7216.

tobacco mosaic virus infectivity, Tritirachium alkaline proteinase inhibition

wilt, biological control, avirulent strains, bacteriocins production, Pseudomonas solanacearum 8113.

Nicotlana trigonophylla, powdery mildew, Leveillula taurica, incidence, USA, Arizona 8035.

powder Nicotine,

biodegradation, fungi 1890. biodegradation, Pseudomonas putida, enantiomers 6149

stereoisomers, preparation, Pseudomonas putida continuous culture 132. Nicotinic acid, identification methodology, Mycobacterium tuberculosis 7580

Midula niveo-tomentosa, biodegradation, lignocelluloses, Triticum aestivum, Acer saccharinum 6948. Miturpirino, drug sensitivity testing, Aeromonas salmonicida 8303.

drug sensitivity testing, Aeromonas same-Nigelia sativa, plant extracts, antifungal activity, aflatoxins biosynthesis, Aspergillus flavus Nigeria,

epidemiology, okra mosaic virus, plant diseases, Abutilon hirturn, Sida acuta, Malvastrum coromandelianum, Physalis angulata 6262. Pseudomonas aeruginosa clinical isolates, antibiotic sensitivity testing 7416.

Nigrospora oryzea, Nigrospora oryzea, symptomiess infection. Zea mays seeds, role, disease resistance, Pythium debaryanum infection 8792. Nikkomycln, symptomics Streetsmane toodes 4065.

biosynthesis, mutants, Streptomyces tendae 4065.

Nilaparvata bakeri, disease transmission, rice ragged stunt virus, grassy stunt virus, Oryza sativa 4520

Nilaparvata lugens, disease transmission, rice ragged stunt virus, grassy stunt virus, Oryza sativa

interaction, Rhizoctonia solani, sheath blight, Oryza sativa, varieties 8789. Niridazole, antibacterial activity, Campylobacter 4750.

comparison, metronidazole, antibacterial activity, Campylobacter fetus subsp.jejuni 3124.

Nisin, antibiotic resistance, Streptococcus lactis subsp.diacetylactis, plasmid pNP40, dairy starters 2196. biosynthesis, Streptococcus lactis plasmid pSN conjugation, sucrose fermentation 3146.

effects on, Clostridium botulinum, growth, pork slurries 1924 Nitrapyrin, measuring techniques, nitrification, lakes sediments 8470.

Nitrate,

ITITATE, armonium ratio, effects on Giornus fasciculatum, phosphorus, nutrient uptake, Chrysanthemun morifolium 564c, +chloric acid, effects on coliforms growth, cheese 7842. effects on chloramphenicol biosynthesis, Sireptomyces venezuelae 8355, effects on choramphy acid, consideration levels, continuous culture reactors

fertilizer applications, stimulation phosphate, nutrient uptake, ectomycorrhizas,

Nitrite, (continued)
nitrite reductase (cytochrome) reduction, denitrification, reviews, Pseudomonas
aeruginosa 7708.
nitrite reductase (cytochrome) reduction, sloichiometry, nitrous oxide
production, Pseudomonas aeruginosa 7709.
soil ph effects on, role nitrification, denitrification 5673,
waste water, chemical analysis, electrodes, immobilized cells 768.
Nitrite reductase (cytochrome),
reduction, nitrite, denitrification, reviews, Pseudomonas aeruginosa 7708.
reduction, nitrite, stoichiometry, nitrous oxide production, Pseudomonas
aeruginosa 7709.
Nitrite test. Nitrate, (continued)
Pseudotsuga menziesii 5574.
nutrient uptake, Pisolithus tinctorius inoculation, seedlings, Quercus rubra repression, averufin, association, aflatoxins biosynthesis, Aspergiilus parasiticus 220. waste water, chemical analysis, electrodes, immobilized cells 768. waste water, chemical analysis, electrodes, immobilized cells 765. Mitrate reductase, assays, peroxidase staining, immunodiffusion, Escherichia coli 8559. molyodenum sites, Escherichia coli 8554. purification, characterization, Neurospora crassa 2591. purification, characterization, Pseudomonas denitrificans 6046. purification, characterization, Rhodopseudomonas palustris 4318. aeruginosa 7709.
Nitrite test,
reagents, Mycobacterium 754.
3-(5-Nitro-2-furryl)acrylic acid,
esters, amides, antimicrobial activity 6488.
[5-Nitroacrylate reductase,
purification, characterization, E.S.R., Clostridium 3448. purification, characterization, Hhodopseudomonas palustris 4:318. Nitrate reduction, 3.4-dichloroaniline, biodegradation, Escherichia coll 6161. identification methodology, oral cavity isolates 9310. kinetics, nitrate-reducing bacteria 1484. Nitrate-reducing bacteria 1484. nitrate reduction, kinetics 1484. wastewalter treatment, slurries, survival, Escherichia coli, Salmonella wastewalter treatment, slurries, survival, Escherichia coli, Salmonella purification, characterization, cost-in, solution treatment 7600. 
Mitrobacter, cryopreservation, use inoculation, wastewater treatment 7600. 
denitrification, waste water, association, aeration 1466. 
growth comparison, batch culture, continuous culture, soil isolates 9016. 
hydrolysis, urea, effects on, nitrification, wastewater treatment 6678. 
immobilized cells, electrodes, ammonia, nitrogen dioxide 767. 
nitrification, soil, reviews 4654. enteritidis 6700. starter cultures, meat production 5322 station curves.

Nitric oxide,

inhibition, hydrogenase, activity, Azospirillum brasilense 8585.

iron chelating agents, inhibition Clostridium botulinum toxins, pork, minced meat numication, soil, reviews 4534.

role, nitrogen cycle, books 4239.

Nitrobacter agilia,

cytochrome c oxidase subunits, cytochrome c affinity 5990.

glutamine synthetase, purification, characterization 6002.

paraquat effects on growth 2176.

Nitrobenzene. Nitrification Ithrification,
Abies balsamea soil, methanol extracts inhibition, proteins binding effects on,
sub-alpine environments 2909.
Abies balsamea soil, phenois inhibition, sub-alpine environments 2908.
acid rain, poliution effects, soil microorganisms 8245.
activated sudge 1473.
activated sludge 1473.
activated sludge 2345.
ammonification, reactors, wastewater treatment 2354.
bacteria, estuaries, measuring techniques, salinity, effects on 3338.
colonies, Eudyptes chysolophus, Aptenodytes patagonicus 9003.
herbicides inhibition, soil 9026.
industrial effluents, wastewater treatment 2373.
inhibition, aniline, biodegradation, activated sludge 4093.
inhibition, assenic, chromium, fluoride, mathematical models 2358.
inhibitors, 2-chloro-6-(trichloromethyl) pyridine, effects on ammonium levels, soil 7273. paraquat effects on growth 2176. Nitrobenzene, estuaries, effects on Escherichia coli, phenotypes, genotypes 4961. Nitrocefin, antibacterial activity 501. Nitrococcus, nitrification, soil, reviews 4654. inhibition, arsenic, chromium, fluoride, mathematical models 235o, inhibitions, 2-chloro-6-(trichloromethyl) pyridine, effects on ammonium levels, soil 7273.
inhibitors, 2-chloro-6-(trichloromethyl)pyridine, biochemical oxygen demand assays, waste water 1476.
iprodione effects on, soil microorganisms 1286.
lakes, sediments, measuring techniques, nitrapyrin, allythiourea, nitrifying bacteria 8470.
mathematical models, rotating discs, wastewater treatment 2355.
nitrifying bacteria, dentrification, soil 3966.
nitrifying bacteria, soil, reviews 4654.
nitrogen cycle, grasslands 5666.
rain forests, succession, Costa Rica 4612.
nitrospen cycle, grasslands 5666.
rain forests, succession, Costa Rica 4612.
nole nitrite, soil pH effects on 5673.
sea water, nitrifying bacteria, filters, aquaculture 1668.
soil, chromium(III), chromium(VI), effects on, nitrifying bacteria 9027.
soil density 5659.
soil microorganisms, soil, adaptations, cold, climatic conditions, Greece 6358.
urea biodegradation, soils (acid), heterotrophic bacteria 4671.
urea, granules, sulfur coatings, fertilizers (slow release) 8231.
wastewater treatment, films, bioreactors 4118.
wastewater treatment, films, bioreactors 4118.
wastewater treatment, modeling, aeration, supports, reactors 6670.
wastewater treatment, modeling, aeration, supports, reactors 6678. 5-Nitroturan, antimicrobial activity 9141. Nitrofuran reductase, nitrofurantoin drug resistance, R factors, Escherichia coli 3029. Nitroturantoin,
Clostridium perfringens drug sensitivity testing 3085.
drug resistance, histidine ammonia-lyase induction, Vibrio cholerae 3037.
drug resistance, nitrofuran reductase, R factors, Escherichia coli 3029.
treatment, uninary tract infection, bacteria, man 2212.
drug sensitivity testing, Bacteroides nodosus 3056.
Nitrogen,
anaerobic conditions. ana bean common mosaic virus, effects on, Vigna radiata, biomass, yield, growth 451: binding, iron molybdenum sulfur complex, models, nitrogenase 2605. binding, nitrogenase, physicochemical properties 2604. Bradyrhizobium japonicum inoculation effects on, genetic variance, inheritance, Glycine max 5660. wastewater treatment, industrial effluents 8406.
wastewater treatment, modeling, aeration, supports, reactors 6670.
wastewater treatment, Nitrobacter, hydrolysis, urea, effects on 6678.
Nitrifying bacteria,
activity, paddy fields 404,
ammonium levels, nitrification inhibitors effects on, soil 7273.
immobilized cells'-creatinine deiminase immobilized enzymes, electrodes,
creatinine determination 1605.
inhibition, heavy metals, organic compounds, wastewater treatment 2353.
isolation methodology, soil, aquatic environment 6774,
lakes sediments, nitrification measuring techniques, nitrapyrin, allythiourea
8470. Glycarie max 350b.

chemical analysis, biomass assays, soil microorganisms, soils (organic) 5631.

composition, single-cell protein production, yeasts 3728.

containing, components, yeasts biomass 1663.

containing compo effects on, fungi, biodegradation, wood, soil 1244, effects on fungi, biodegradation, wood, soil 1244, effects on psychrotrophic bacteria proteinase production, milk contamination

nitrification, denitrification, soil 3966

nitrification, dentirification, soil 3966.
nitrification, herbicides inhibition, soil 9026.
nitrification, herbicides inhibition, soil 9026.
nitrification, herbicides inhibition, soil 9026.
nitrification, role nitrite, soil pH effects on 5673.
nitrification, see water, filters, aquaculture 1668.
nitrification, soil density 5659.
nitrification, urea, granules, sulfur coatings, fertilizers (slow release) 8231.
nitrification, urea, granules, sulfur coatings, fertilizers (slow release) 8231.
nitrification, wastewater treatment, films, bioreactors 4118.
nitrification, wastewater treatment, modeling, aeration, supports, reactors 6670.
soil nitrification, chromium(III), chromium(VI), effects on 9027.
soil, nitrous oxide production, phosphate, calcium carbonate, fertilizer applications, effects on 7283.
Nitrilase,

retraises, acetonitrile biodegradation, Brevibacterium 3665. activity, nitriles conversion, organic acids production, Brevibacterium 3433. organic compounds synthesis 4385. Nitriles,

conversion, organic acids production, Brevibacterium 3433. conversion, organic acids production, factors affecting amidase, Brevibacterium

Ntrilotriacetic acid, solubility, biodegradability, microorganisms 6158. titanium(III), use, Butyribacterium methylotrophicum media 769. Nitrite.

association, luncheon meat contamination, bacteria growth 2728.
effects on Clostridium botulinum vegetative cells iron-sulfur centers 6203.
effects on dentrifying bacteria population levels, continuous culture reactors

inhibition, hydrogenase, activity, Azospirillum brasilense 8585.

amboacterial activity 501.

Mitrocellubose,
enzyme-linked immunosorbent assay, adenovirus antigens, antibodies 5020.
enzyme-linked immunosorbent assay, enterotoxins detection, Escherichia coli,
Vibrio cholerae 1479.

erobic conditions, photosensitivity, U.V. radiation, Haemophilus influenzae

effects on Rhizobium leguminosarum, nitrogen fixation, nodules, Pisum sativum

2987

2967.
effects on rhizoplane microorganisms, bacteria, association, Gramineae 6334.
endomycorrhizas interaction, growth, Lolium perenne 8971.
fertilizer applications, effects on, mycorrhizas, Tsuga heterophylla, development

5675

507/3. fertilizers effects on Quercus ectomycorrhizas 3941. inorganic compounds, effects on, dehydrogenase activity, soil 8988. interaction, soil microorganisms, straw biodegradation, agricultural ecosystems

2699.
levels, association, pathogenesis, papaya leaf reduction virus plant diseases, Carica papaya 8812.
levels, savannahs soil, urea fertilizers, sulfur coatings 8256.
levels, soil, soil microorganisms, cellulose biodegradation, tajag 5544.
mineralization, association, organic matter, forests soil 8145.
mineralization, lertilizer applications, forests, Pinus radiata 5541.
mineralization, humus, soil pH 5656.
mineralization, organic matter, forests soil 7290.
mineralization, soil factors affecting, microorganisms, reviews 4653.
nitrous oxide ratio, gas production, denitrification, crop fields, Hordeum vulgare 5572.

nitrous oxide ratio, gas production, denitrification, crop fields, Hordeum vulgare 5672.

ruthient availability, proteinase production, Pseudomonas fluorescens 7749. nutrient concentrations, activated sludge 4083. nutrient concentrations, activated sludge 4083. nutrient cycles, mineralization, soli microorganisms biomass, paddy fields 5632. nutrients removal, phosphorus, wetlands, waste water 1481. Oryza sativa uptake, Nostoc symbiosis 3958. oxidation, bioreactors, chlorobium thiosulfatophilum, computer applications, monitoring 3612. packaging, spoilage, psychrotrophic bacteria 5363, recycling, methanogenesis, bioreactors, biomass, Gracilaria tikvahiae 8272. removal, role, microorganisms wastewater treatment 3190. riboxine biosynthesis, effects on, Bacillus subtilis 1411, soil amendment, soil microorganisms biomass, soil respiration 2931.

Nitrogen, (continued) soil diffusion, nitrogen fixation measurements, microorganisms symbiosis, plants

utilization, hydrocarbons substrates, growth, Candida guilliermondii 8289.
Vitis vinifera content, relationship, fermentation wine, Saccharomyces

Vitis vinifiera content, relationship, termentation wine, Saccharomyces ellipsoideus 7793.
yield, Leguminosae nodulation, Rhizobium inoculation, Colombia soil types 2158.
Nitrogen cycle,
agricultural land, Denmark, reviews 2984.
colonies, Eudyptes chrysolophus, Aptenodytes patagonicus 9003.
dentrification, fallowing, agricultural land, Triticum aestivum 2988.
dentrifying bacteria, dentrification, soil, reviews 4655.
fertilizers, soil microorganisms, agricultural ecosystems 5665.
grasslands 5666.
litter decomposition, actinorrhizae nitrogen fixation, peatlands, Myrica gale

litter decomposition, actinorhizas nitrogen fixation, peatlands, Myrica gale 8244.

litter, humus, Picea sitchensis plantations 8167.
mathematical models, soil microorganisms, 3938.
mathematical models, soil microorganisms, forests 8146.
measurements, free-living bacteria, Sorghum seedlings 8967.
microorganisms, reviews 8240.
microorganisms, paddy fields, Oryza sativa, Azolla pinnata fertilizers 3964.
Oryza sativa, Azo

electrodes, Nitrobacter, immobilized cells 767.

Nitrogen fixantion,
Acacia dealbata seedlings, nodules, Rhizobium 2906.
acetylene reduction, ethylene release, soil, peat, Finland 4651.
acetylene reduction, indicators, ureides levels, Glycine max 2164.
acetylene reduction, introgen-fixing bacteria, soil, litter, forests, Eucalyptus obliqua, Pinus radiata 8937.
acetylene reduction, nitrogenae, measuring techniques, nodules, actinomizas,
Alnus incana 8152.

acetylene reduction, relationship ureides levels, environmental factors, Glycine max 2162.

max 2 102.

acetylerie reduction, fretatoriship ureleds everse, eriviformental factors, siyorne max 2 102.

acetylerie revection, Philosobium, varieties, Vigna unguiculata 464.

acetylerie revection, proposition, introperate environments, reviews 2915.

actionomizes, agroforestry, temperate environments, reviews 2915.

actionomizes, inter decomposition, intropen cycle, peatlands, Myrica gale 8244.

actinomizes, itter decomposition, intropen cycle, peatlands, Myrica gale 8244.

actinomizes, plantations, silviculture, Alnus glutinosa, Populus nigrax

Populus trichocarpa 8156.

actinomizes, tropical environment, Casuarinaceae, reviews 2914.

Aeromonas, Alcaligenes, Pseudomonas, isolation, rhizosphere, Oryza sativa 5653.

Alnus incana, nodulation, Frankia 4610.

Anabaena torulosa, comparison, Plectonema boryanum, sodium effects on 6381.

Aquaspirillum magnetotacticum 3968.

Azospirillum brasilense, incoulation, yield, Pennisetum 5661.

Azospirillum brasilense, incoulation, yield, Pennisetum typhoideum 2963.

Azospirillum brasilense, incoulation, yield, Pennisetum typhoideum 2963.

Azospirillum brasilense, incoulation, yield, Pennisetum formation, yield, Zea mays, Lolium perenne 1257.

Zea mays, Lolium perenne 1257. Azospirillum, incoulation, ± fertilizer applications, effects on yield, Oryza sativa 1273.

Azospirillum, inoculation, ± fertilizer applications, effects on yield, Oryza sativa 1273.

sativa 1273.
sativa 1273.
sativa 1273.
sativa 1273.
sativa 1273.
sativa 1273.
sativa 1273.
sativa 1273.
sativa 1273.
sativa 1273.
sativa 1273.
sativa 1273.
sativa 1274.
sati

dissolved oxygen effects on, Azotobacter vinelandii 3551. dissolved oxygen effects on, Immobilized cells, Azotobacter vinelandii 3550. evolution, bacteria, biosphere, palecentryonnents 2171. fertilizers, nitrogen sour

Frankia, actinorrhizas, Alnus, conferences 5100. Frankia, actinorrhizas, Alnus, conferences 8499. Frankia, actinorrhizas, Alnus glutinosa 4593.

Nitrogen fixation, (continued)
Frankia, actinorrhizas, Alnus rutra, Cytisus scoparius, nutrient uptake,
plantations, silviculture, Pseudotsuga menziesii 8159,
Frankia, Alnus glutinosa, Hipopohae rhamnoides, Datisca cannabina 4594.
Frankia, nitrogenase, actinorrhizas, Alnus nitida, Colletia cruciata, Datisca

Frankia, Rhizobium, allelopathy, Juglans 3959.
Frankia, symbiosis, Alnus nepalensis, seasonal variations 6320.
genes, Klebsiella pneumoniae, gene expression, Azotobacter vir genetic analysis, books 3370.

genetic analysis, Rhizobium 1281.
Glycine max, Bradyrhizobium japonicum strains inoculum nodulation 8247.
Glycine max, nodulation, Azotobacter+fungi+Rhizobium japonicum mixed culture effects on 2172.
Glycine max nodules, acetylene reduction measurement, acetylene concentrations 7293.

Glycine max nodules, urate oxidase subunits, Rhizobium infection 4668. Glycine max, relationship, carbohydrates contents 2992. host-pathogen interactions, plants genomes, structure-activity relationships, books, conferences 3391.

Nose, active the control of the cont

nitrogen-fixin gale 9001.

gale 9001

nitrogen-fixing bacteria, bark, Bruguiera gymnorrhiza 2098.
nitrogen-fixing bacteria, fertilizers effects on, soils (podzolic) 8232.
nitrogen-fix acetylene reduction, hydrogen gas production, environmental-chambers, Leguminosae 2986.
nitrogen-15 measurements, Rhizobium, Leguminosae 7270.
nitrogen-15, Rhizobium, environmental chambers, Trifolium subterraneum 2985.
nitrogen-15, Rhizobium, environmental chambers, Trifolium subterraneum 2985.
nitrogen-15, Sacelylene reduction, oxygen effects on, Rhizobium bacteroids,
nodules, Vigna unguiculata, Arachis hypogaea 7291.
nitrogenase, actinomitizes, hydroponics, silviculture, nutrient requirements,
Alnus incana 8152.
nitrogenase mutants, iron protein, molybdenum-iron protein, Klebsiella pneumoniae
2612.

nitrogenase, oxygen inhibition, nitrogen-fixing bacteria 2610, nitrogenase, Rhizobium, temperature effects on, Vigna unguiculata 2168, nitrogenase, structure-activity relationships, nitrogen-fixing bacteria, reviews 2006.

nitrogenase, substrates reduction, models, Klebsiella pneu nodulation, Frankia, actinorrhizas, nodulation 8158. nodulation, Phizobium, Parasponia 2977. nodulation, soil moisture effects on, Medicago sativa 2185.

nodules, respirometry, measuring techniques, Glydrie max 324. optimization, hydrogen uptake, cosmids, Bradyrhizobium japonicum 8996. Oryza, fertilizer applications 414. Oryza sativa 2993. Oryza sativa, nitrogen-fixing bacteria, 2964.

Oryza sativa roots, nitrogenase activity, diurnal variation, seasonal variations 5674.

osmotic stress, inhibition, Klebsiella pneumoniae, glycine betaine, enhancement,

usmout stress, innibition, Klebsella pneumoniae, glycine betaine, enhancement nitrogenase, biosynthesis 6354.

Phaseolus vulgaris, aging effects on, Rhizobium 6361.

Phaseolus vulgaris cultivars, Rhizobium leguminosarum var.phaseoli nodulation 9021.

Presecuts vulgaris, phosphorus offects on, Rhizobium 7286.
Phase breeding, Vigna unguiculata 1271.
Islant cells culture, nitrogen-phing bacteria 2156.
Islants, measuring techniques, association gases diffusion, plastics 2949.
Islant cells culture, nitrogen-phing bacteria 2156.
Islants, measuring techniques, association gases diffusion, plastics 2949.
Islants, ampliosis, actinorhizas 9009.
Inangelands soil, indigenous species, introduced species, forbs, shrubs, Leguminosae 7271
Ingulation, nitrogenase, iron modification, Rhodospirillum rubrum 2611.
Ingulation, introgenase, iron modification, Rhodospirillum rubrum 2611.
Ingulation, leaf characters, shoots weight, screening genotypes association, Vigna unguiculata 9000.
Inspiration, Leguminosae, nodules, roots, Rhizobium 2957.
Rhizobium, Azotobacter, pressmud, use, carriers, characterization 9019.
Rhizobium, energy balance, Glycine max 8251.
Rhizobium, energy balance, Glycine max 8251.
Rhizobium, energy metabolism, electron transport chain, nodules, Pisum sativum 2972.
Rhizobium, enhancement, growth, association, syntrophism 4661.

Phizobium, enhancement, growth, association, syntrophism 4661.

Phizobium, shancement, growth, association, syntrophism 4661.

Phizobium, involution, Vigna radiata, Vigna unguiculata 4664.

Phizobium, incoulation, Vigna sinensis, Cicer arietinum 8999.

Phizobium, incoulation, Ugna sinensis, Cicer arietinum 8999.

Phizobium, aponieum, Glycine max frutiling 2154.

Phizobium japonieum, glycine max frutiling 2154.

Phizobium japonieum, of signie max frutiling 2154.

Phizobium japonieum, signie max 1699.

Phizobium japonieum, signie max 1699.

Phizobium japonieum, signie max 1699.

Phizobium japonieum, signie plant viruses infection effects on, reviews 8780.

Phizobium leguminosarum, ammonium nitrate effects on 5654.

Phizobium leguminosarum, noduels, factors affecting, Pisum sativum 2987.

Phizobium leguminosarum var\_phaseoli, cultivars strains interaction, energy balance, Phaseolus vulgaris 8230.

Phaseolus vulgaris 8250.

Phizobium leguminosarum var\_phaseoli, nitrogen sources, cultivars effects on, Phaseolus vulgaris 8250.

Rhizobium leguminosarum var.phaseoli, strains variability, Phaseolus vulgaris

Rhizobium lupini, carbon dioxide utilization association, Lupinus nodules 9022.

Nitrogen fixation, (continued)
Rhizobium melilod, genetic control, symbiosis mutants, Medicago 5676.
Rhizobium melilod, giylcanib etlarine effects on sodium chloride tolerance 2159.
Rhizobium melilod, pilasmids, role, Medicago sativa, gene mapping, reviews Afrizobium melilod, symbiosis, Medicago sativa, calcium, magnesium effects c n effects on

Pitzobium meliloti, vesicular-arbuscular mycorrhizas inoculation effects on, Medicago sativa 8221.

Rhizobium mutants, Glycine max 2989.

Rhizobium, nitrogen-fixing bacteria, rhizosphere, soil moisture, salinity effects on, crops 2980.

Rhizobium, nitrogen-15, measuring techniques, crop fields, Glycine max 7289.

Rhizobium, nodulation, legumes, media (culture), reviews 4657.

Phizobium, symbiosis, Leguminosae, equipment 2955.
Rhizobium tritolii populations, Trifolium repens symbiosis 409.
Rhizobium+vesicular-arbuscular mycorrhizas inoculation effects on, Trifolium

Hhizobium+vesicular-arbuscular mycormizas inoculation erfects on, Irflolium repens 5628. 
hizosphere microorganisms, insecticides inhibition, paddy fields 1283. 
hizosphere microorganisms, insecticides inhibition, paddy fields 1283. 
soil, Oryzae sativa, nitrogen-fixing bacteria 7287. 
soil pt-iffects on, Fhizobium leguminosarum, nodulation, Lens esculentum 407. 
soil water potential, Azotobacter vinelandi 8527, ffamplicin resistance mutation 
symbiosis, Rhizobium japonicum, relationship, rffamplicin resistance mutation.

296III.
Trifolium pratense, Rhizobium symbiosis, white clover mosaic virus infection

7141.
Trifolium repens, oxygen effects on 2958.
Trifolium subterraneum, Rhizobium trifolii nodulation, glyphosate soils (loam) applications effects on 2995.
Vicia faba, books 4236.

applications effects on 2995.
Vicia faba, books 4236.
Vigna radiata, environmental stress effects on, symbiosis, Rhizobium 5679.
Vigna radiata, Phizobium, soil moisture effects on 4640.

Nitrogen (liquid),
cryopreservation, biochemical characteristics, yeasts 6789.
cryopreservation, Leptospira 9269.
cryopreservation, Leptospira pomona 1615.
phototrophic bacteria storage, anaerobic conditions 4215.
Nitrogen sources,
ammonium sulfate, nutrient uptake, vesicular-arbuscular mycorrhizas effects on,
Sorghum bicolor 8215.
Aspergillus onyzae, exo-1,4-a-D-glucosidase biosynthesis 4332.
association, Rhodospinilaceae hydrogen production, use, organic acids 1843.
bioassays, bacteria, acetylene reduction, effects on 7614.
cellulase biosynthesis, Trichoderma viride, effects on R93.
cultivars, effects on Rhizobium leguminosarum var.phaseoli, nitrogen fixation,
Phaseolus vulgaris 8250.
effects on biomass production, digestion (anaerobic), methanogenesis, Ulva,
Gracilaria litivahiae 6396.
effects on polysacchardee biosynthesis, extracellular polymers, Cryptococcus
laurentii 5198.
effects on polysacchardee biosynthesis, extracellular polymers, Cryptococcus
laurentii 5198.
energy metabolism, activated sludge, statistical analysis 7522.

energy metabolism, activated sludge, statistical analysis 7522. fertilizers, nitrogen fixation, nodulation, Trifelium repens, Lotus pedunculatus 2160

2160.

Ievans biosynthesis, Bacillus 7764.

Ilipids, production, Spacelotheca reiliana, Tolyposporium ehrenbergii 1850.

Ilipids production, Tolyposporium ehrenbergii, Sphacelotheca reiliana 5250.

metabolism, regulation chioramphenicol biosynthesis, Streptomyces venezuelae 4854

metabolism, tin antifungal activity, Cunninghamella echinulata, Fusarium oxysporum 134 molasses, ethanol fermentation, biomass production, Saccharomyces cerevisiae

3607

3907. untrient deficiency, models, aerobic conditions, wastewater treatment nutrient requirements, lipids production, Rhodotroula glutinis 1856. Penicillium urticae, patulin production, immobilized cells 27577. iOSC 2007. polysacchandes biosynthesis, effects cn. Cryptococcus laurentin 054. Psaudomonas fluorescens growth, cyanide biodegradation, ammonia 1

a biosynthesis

1877.

1877.

1879.

1879.

1879.

1879.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

1889.

18

control, books 9346.

Isolates, soil, water, Egypt, Arab Rep. 4647.

Introgen fixation, acoeylene reduction, soil, litter, forests, Eucalyptus oblique, Prinus radiata 8937.

Introgen fixation, agnouture, crop fields 9345.

Introgen fixation, fertilizers effects on, soils (podzolic) 8232.

Introgen fixation, genetic analysis, books 3370.

Introgen fixation measuring techniques 1603.

Introgen fixation mitrogenesse, oxygen inhibition 2610.

Introgen fixation, introgenesse, structure-activity relationships, reviews 2606.

Introgen fixation, plant breeding, Vigna unquiculata 1271.

Introgen fixation, plant seponmes, structure-activity relationships, books, conferences 3391.

nitrogen fixation, rhizosphere, soil moisture, salinity effects on, crops 2980. nitrogen fixation, seasonal variations, peatlands 9001. nitrogen fixation, soil, Oryzae sativa 7287.

Nitrogen-fixing bacteria, (continued) nitrogenase activity, rhizosphere, environmental factors, pasture 9018, nitrogenase activity, thizosphere isolates, Gramineae 9014, nitrogenase activity, thizosphere isolates, Gramineae 9014, nitrogenase, substrate specificity, iron molybdenum complex, spectroscopy 2607, nytra sativa rhizosphare microorganisms, signature, specificity, morphology, nutrition 8235.

nutrition 8235.
Oryza sativa rhizosphere microorganisms, symbiosis, ultrastructure 8236.
plant breeding, biotechnology, books 9339.
plant cells culture, nitrogen fixation 2156.
rhizosphere microorganisms, nitrogenase, vertical distribution, planting density, paddy fields, Oryza sativa 7281.
rhizosphere microorganisms, plants 5627.
soil, Trindad, Tobago 6359.
symbiosis, Medicago sativa, Glycine max, characterization 1279.

elluloses fermentation.

Itrogen-15, levels, association, Glycine max biodegradation, soil 2959. levels, association, Glycine max 2169. levels, nodules, Rhizobium japonicum, nitrogen fixation, Glycine max 2169. mass spectroscopy, biomass measuring techniques, lignocelluloses fermenta Chaetomium cellulolyticum 5310. measurements, nitrogen fixation, Rhizobium, Leguminosae 7270. measuring techniques, nitrogen fixation, Rhizobium, crop fields, Glycine max 7260.

7289. nitrogen fixation, environmental chambers, Leguminosae 2986. transiocation, leaves, seeds, Bradyrhizobium japonicum nitrogen fixation inhibition, Glycine max 6370.

Nitrogenase.

acetylene reduction, measuring techniques, nodules, actinomhizas, Alnus incana 8153. 8153.
acetylene reduction, oxygen effects on, Rhizoblum bacteriotis, nodules, Vigna unquicutata, Arachis hypogaea 7291.
acetylene reduction, seasonal variations, actinornizas, relationship reproductive organs growth. Alnus glutinosa 8155.
activity, Alnus rubra nodules, Frankia, oxygen effects on 4606.
activity, carbon dioxide effects on, ribulosebisphosphate carboxylase mediation, Bradyrhizobium japonicum 7280.
activity, Cyamopsis tetragonoloba nitrogen fixation, water stress effects on 4607.

4670.
activity, Frankia, actinorrhizas, Alnus incana 4609.
activity, Frankia, nodules, Myrica gale, seasona variations 4607.
activity, Frankia, nodules, Myrica gale, seasona variations 4607.
activity, measuring techniques, soil microorganisms, plants 1276.
activity, measuring techniques, soil microorganisms, plants 1276.
activity, Microgen-floing bacteria, microsphere isolates, Gramineae 9014.
activity, Oryza sativa roots, diumal variation, seasonal variations 5674.
activity, Phicobium, acetylene inhibition, oxygen diffusion, nodules, Leguminosae

activity, 8252 activity, rhizosphere, nitrogen-fixing bacteria, environmental factors, pasture 9018.

9018.
sasociation, ethylene, production, carbon monoxide, inhibition, soil microorganisms, soil 6357.
biosynthesis, glycine betaine, enhancement, Klebsiella pneumoniae, osmotic stress, inhibition, nitrogen fixation 6354.
complex, oxygen inactivation, Azotobacter vinelandii 885.
Frankia, activity, Alnus rubra roots nodules 6318.
Frankia, nitrogen fixation, actinomhizas, Alnus nitida, Colletia cruciata, Datisca 2969.

iron proteins modification, regulation, nitrogen fixation, Rhodospirillum rubrum 2611

2611
iron-sulfur centers levels, ATP binding, Azotobacter vinelandii 2608.
kinetics, Azotobacter vinelandii, Clostridium pasteurianum, Klebsiella pneumoniae, Azospirillum 19.
klebsiella pneumoniae, sodium bisulfite reduction 903.
nethyl isocyanide inhibition, Azotobacter vinelandii 1816.
models, nitrogen binding, iron molybdenum sulfur complex 2605.
molybdenum iron proteins, cofactors, C.D., Klebsiella pneumoniae 5141.
mutants, iron protein, molybdenum-iron protein, nitrogen fixation, actetylene reduction, Klebsiella pneumoniae 2612.
nitrogen binding, physicochemical properties 2604.
nitrogen fixation, actinorhizas, hydroponics, silviculture, nutrient requirements, Alnus incana 8152.
nitrogen fixation, bacteria, biochemical characteristics, regulation, reviews 4658.

nitrogen fixation, structure-activity relationships, reviews, nitrogen-fixing bacteria 2606.

m-Nitrophenol,

biodegradation, Pseudomonas putida 6157.

- Nitrophenol,
- biodegradation, Pseudomonas putida 6157.

- Nitrophenol,
- Nitrophenol,
- Nitrophenol,

hydrolysis enzymes, purification, kinetics, Nocardia 7683.

4-Nitrophenol 2-hydroxylase,
purification, kinetics, Nocardia 7683.

purlication, kinetics, Nocardia 7683.

P.Ntrophenyl-P-D-glucopyranoside,
glycosylation, exo-1,4-E-D-xylosidase, Aspergillus niger 4349.

P.Ntrophenyl-F-D-xylosyranoside,
glycosylation, exo-1,4-E-D-xylosidase, Aspergillus niger 4349.

P.Ntrophenylglycosides,
substrates, measuring techniques, α-amylase, bacteria 1794.

N-Ntroso-N-methyl-N-nitroguanidine,
mutagenesis, aroma compounds production, deiry starters, Leuconostoc cremori
1906.

Interpressis Provipplactarium deits starters and temporate starters.

mutagenesis, Propionibacterium, dairy starters, cold temperature-sensitive mutar 2729.

Nitrosofungin,

biosynthesis, isolation, antifungal activity, Alcaligenes+Streptomyces plicatus mixed culture 2297.

Nitrosoguanidine, induction mutation, Aspergillus flavus, characterization, effects on aflatoxins blosynthesis 7084.

biosynthesis 7084.
mutagenesis, genetic engineering, soybean milk flavor compounds, Lactobacillus casei subsp. alactosus 3701.
N-Nitrosomenthyl bluret, mutagenesis, penicillin biosynthesis, conidia, Penicillium chrysogenum 2268.
Nitrosomenas, denitrification, waste water, association, aeration 1466.
immobilized cells, electrodes, ammonia 767.
role, nitrogen cycle, books 4238.
Nitrosomenas europaea, nitrous oxide, production, soil, pH, temperature, water content, effects on 7274.
Nitrosomenas europaea, nitrous oxide, production, soil, pH, temperature, water content, effects on 7274.
Nitrosomenas europaea, nitrous oxide, production, soil, pH, temperature, water content, effects on 7274.
Nitrosomenas europaea, nitrous oxide, production, soil, pH, temperature, water content, effects on 7274.
Nitrosomenas

Nitrospina, nitrification, soil, reviews 4654.

Nitrothiazole, derivatives, antibacterial activity 9089.

5-Nitrothiophene sidlmine, derivatives, antimicrobial activity 9141.

Nitrous oxide, bioaccumulation, reduction inhibition, Pseudomonas, oxygen association 2157. biosynthesis, dentrification, in vitro, Rhizobium leguminosarum var.trifolii 9020.

bevels, soil, soil microorganisms, factors affecting 1274. nitrogen ratio, gas production, denitrification, crop fields, Hordeum vulgare \_\_\_\_\_\_5672.

Nitrosomonas europaea, production, soil, pH, temperature, water content, effects Nitrosomonas europaea, production, soil, pH, temperature, water content, on 7274.

production, nitrite reductase (cytochrome) reduction nitrite, stoichiometry, Pseudomonas aeruginosa 7709, production, soil microorganisms, denitrification, soil thawing 7285, production, soil, nitrifying bacteria, phosphate, calcium carbonate, fertilizer applications, effects on 7283.

Nitrovin, antibacterial activity, Clostridium, agar dilution test, animal isolates 3050.

Huvarenol, Fusarium, detection, grain, Egypt 7069

Fusarium, detection, grain, Egypt 7069.
Fusarium graminearum, levels, food contamination, flour, Hordeum vulgare 2737.
gas chromatography, food contamination, grain, Hordeum vulgare 7107.

Nocardia,
alicyclic ning biodegradation, reviews 8277.
biodegradation, aromatic compounds + halogens, mechanisms, reviews 7826.
distribution, incidence, pasture, nematicides effects on 7295.
lignin biodegradation, reviews 7829.
monosodium methanearsonate, metabolism, conversion 1284.
mycolic acids biosynthesis, antibacterial activity, isoniazid 9098.
retilmicin antibacterial activity 535.
4-nitrophenol 2-hydroxylase, purification, kinetics 7683.
Nocardia amarse,
induction emulsification reversal, water-in-oil emulsions 1878.
Nocardia asteroides,
antibiotic synergism, imipenem, amikacin, cotrimoxazole, cefotaxime 480.
drug sensitivity testing 3090.
netilmicin antibacterial activity 535.
Nocardia coralilina,
fermentation, 19-norsteroids intermediates, sterols, Glycine max 1823.

fermentation, 19-norsteroids intermediates, sterois, Glycine max 1823. immobilized cells, propytene oxide production 418.

substituted aromatic compounds, induction, catechol 1,2-dioxygenase, catechol

2,3-dioxygenase 912.

Nocardia erythropolis,

α-D-mannosidase production 914.

C-D-mannosidase production 914.

Nocardia fercinica,
 netimicin antibacterial activity 535.

Nocardia fructifieri var.atomycini,
 pigments, biosynthesis, isolation, factors affecting 1857.

Nocardia mediterranei,
 methyfmalonyl-CoA decarboxylase, isolation, characterization 8607.

Nocardia opaca,
 fermentation enzymes comparison, Alcaligenes, Xanthobacter autotrophicus 150.

Nocardia orientalis,
 murracinis, inhibition, angiotensin-converting enzyme, biological properties,

Nocardla orientalla,
muraceins, imbibtion, angiotensin-converting enzyme, biological properties,
biosynthesis 5595.
muraceins, isolation, N.M.R., spectroscopy 6805.
Nocardla ottitidla-caviarum,
netilmicin artibacterial activity 535.
Nocardla paraffinicum,
metabolism, biodegradation, isobutane, propane, oxygenase activity 8275.
Nocardla rhodochrous,
cholesterol oxidase, cholesterol conversion, cholestenone 108.
immobilized cells, steroids production, use solvents 3525.
Nocardla euibhuree.

Nocardia sulphurea, cetocycline, biosynthesis, characterization 2247.

Nocardicin, synthesis 6587.

Nocardicin A,

L-alanyi-L-1-aminoethylphosphonic acid, antibiotic synergism, antibacterial activity, Pseudomonas aeruginosa 6554.

effects on, Pseudomonas aeruginosa, Escherichia coli, morphology, scanning electron microscopy 9216.

interaction, Bacillus megaterium penicillin-binding protein, elongation inhibition 1397.

synthesis 6586

Nocardiopsis, biodegradation, TCDD 2713. isolation, identification, composts 8198.

Noctuldae, biological control, pathogens, isolation, culture, Entomophthora gammae 6088.

actinorrhizas, Alnus nitida, Datisca cannabina 8151.

Annus urbra, Frankia + Pseudomonas cepacia 4600.

Bradyrhizobium japonicum, gibbereilins, roots levels, Glycine max 8242.

Nodulation, (continued)

Bradyrhizobium japonicum, Glycine max, interspecific relationships, regulation 8997.

Bradyrhizobium japonicum, infection, light inhibition, cotyledons, Glycine max 8248.

Bradymizobium japonicum, inoculation, herbicides, fungicides seed treatments effects on, Glycine max 8998.

effects on, Glycine max 8998.

Bradyrhizobium japonicum, penicillin sensitivity, Glycine max roots 5655.

Bradyrhizobium japonicum, seeds inoculation, planting, Glycine max 6352.

Brodyrhizobium japonicum, Glycine max 6379.

Cicer anetinum, zinc effects on, Rhizobium 4650.

competition, Rhizobium leguminosarum, Rhizobium japonicum, Pisum sativum, Glycine max 2967.

max 2967.

Competition, Frinciporning diministration, water stress effects on 4670. 
Frankla, actinorrhizas, Alnus rubra, root hairs 4599. 
Frankla actinorrhizas, Alnus rubra, root hairs 4599. 
Frankla actinorrhizas, biotyping, Alnus nitida 5158. 
Frankla, actinorrhizas, inoculation, groforestry, Casuarina 8149. 
Frankla, actinorrhizas, inoculation, propagation, seedlings, Alnus crispa 8154. 
Frankla, anus incara, nitrogen fixation 4610. 
ganetic analysis, nutrient flow, Halzobium, letrogen intation, infection, bean pod motite virus, spraybracobium japonicum, nitrogen fixation, infection, bean pod motite virus, spraybracobium japonicum, relationship, rhizosphere, response 4641. 
Glycine max, Bradyrhizobium japonicum strains inoculum, nitrogen fixation, seeds protein composition 8247. 
Glycine max, inrocyal fixation, Azotobacter+fungi+Rhizobium japonicum mixed cultive effects on cel 1722. 
Glycine max, introgen fixation, Azotobacter+fungi+Rhizobium japonicum mixed cultive effects on cel 1722. 
Glycine max, Hizobium plaponicum inoculation 2122. 
Glycine max, Hizobium plaponicum inoculation 2122.

culture effects on 2172.
Glycine max. Rhizobium japonicum inoculation 2122.
Glycine max. Rhizobium japonicum strains competition 408.
Glycine max. Rhizobium japonicum strains competition 408.
Glycine max. Rhizoctonia solani, m-hydroxyphenylacetic acid, m-methoxyphenylacetic acid, effects on 1119.
Glycine soja, cloning DNA sequence, effects on root hairs, Bradyrhizobium japonicum, Pseudomonas putida 6365.
inhibition, allelopathy, Parthenium hysterophorus, Indigofera linnaei 8987.
Leguminosae, nitrogen yield, Rhizobium inoculation, Colombia soil types 2158.
Leucaena leucocephala, Rhizobium strains competition, tropical environment soil 7267.

7267

7267.
Macrozamia communis seedlings, symbionts 2907.
Madicago sativa, nitrogen fixation, leghemoglobin, biomass 296 I
Medicago sativa, Phizobinim inoculation 5663.
Myrica gale, Frankia 4603.
mitrogen fixation, fertilizers, nitrogen sources, Trifolium repens, Lotus
pedunculatus 2160.

introgen fixation, soil moisture effects on, Medicago sativa 2165.
Phaseolus vulgaris, inoculation, Rhizobium leguminosarum var phaseolii 6376.
relationship biotyping, Frankia, actinomizas, Alnus glutinosa 8157.
Rhizobium, Cicer arietinum 3960.
Rhizobium inoculation, ferflützer applications effects on, Vigna unguiculata

2905.

Rhizobium inoculation, seed treatments, carbofuran, Glycine max 2990.

Rhizobium inoculum, soli, Phaseolus vulgaris 2161.

Rhizobium japonicum, inbusation, dose-response effects, roots age, Glycine max 2166.

Rhizobium japonicum inoculation, Glycine max 2952.

Hrizobium japonicum inoculation, Giycine max 2952.

Rhizobium, legumes, nitrogen fixation, media (culture), reviews 4657.

Rhizobium, Leguminosae, Malaysia 8164.

Rhizobium, Leguminosae, plant viruses infection effects on, reviews 8780.

Rhizobium leguminosarum, role indole-3-acetic acid, Pisum sativum 2167.

Rhizobium leguminosarum var.phaseoli, Phaseolus vulgaris, Pseudomonas putida effects on 5658.

Rhizobium leguminosarum var.phaseoli, Phaseolus vulgaris cultivars, nitrogen fixation 9021.

uminosarum var.trifolii, aluminum toxicity, soils (acid), trifolium

Rhizobium legu repens 7279

repeirs /279.

Rhizobium leguminosarum var.trifolii, Inhibition, metals oxides, Trifolium 7294.

Rhizobium leguminosarum var.trifolii, inoculation, soil chemistry, soil ph effects on 7278.

Rhizobium leguminosarum var.trifolii, inoculum, phages effects on 5662.

Rhizobium leguminosarum var.trifolii strains competition, inoculation, Trifolium

Rhizobium leguminosarum var.trifolii istrains competition, inoculation, Trifolium repens 3962.
Rhizobium leguminosarum var.trifolii, Trifolium subterraneum, Glomus fasciculatum, Glomus mosseae, effects on 5615.
Rhizobium meliloit, plasmids, role, Medicago sativa, gene mapping, reviews 466 Rhizobium meliloit, strains, cell surfaces. Medicago sativa, agglutinins 5651.
Rhizobium mutants, Glycine max 2989.
Rhizobium, nitrogen fixation, inheritance, plant breeding, Medicago sativa 2979.
Rhizobium, nitrogen fixation, Parasponia 2977.
Rhizobium, nitrogen fixation, soil moisture, salinity effects on, Leguminosae 2989.

Rhizobium, nod gene, gene mapping, genes, nitrogen fixation, reviews, Leguminosae 2966.

2966.

Rhizobium, role nodulin gene expression, Pisum sativum 2981.

Rhizobium, soil amendment, calcium oxide, calcium sulfate effects on, Cicer arietinum, Lens esculenta 9015.

Rhizobium soil isolates, soil temperature tolerance, dessication, tropical environment, Vigna ungicucialta 8241.

Rhizobium, symbiosis, Leguminosae, equipment 2955.

Rhizobium triolii, Trifolium repens, temperature effects on 1282.

Rhizobium, Vigna radiata 6360.

Rhizobium, Vigina radiata, efficiency correlation antibiotic resistance 4662.

Rhizobium, Xylia torreana, Guibourtia coriugata, Philiostigma thonningii 4667.

Rhizobium+vesicular-arbuscular mycorrhizas inoculation effects on, Trifolium repens 5628.

nuor nurs intection, role Rhizobium japonicum, capsules polysaccharides, Glycine max 2970. soil pH effects on, Rhizobium leguminosarum, nitrogen fixation, Lens esculentum 407.

3407.
Stems, Rhizobium, Aeschynomene 9010.
Trifolium subterraneum, Rhizobium trifolii, glyphosate soils (loam) applications effects on 2995.

Vigna unguiculata, Rhizobium, soil acidity effects on 8993.

Nodules,

actinorrhizas, Casuarina cunninghamiana, Myrica gale, hemoglobins levels 4605. Alnus glutinosa, actinorrhizas, abscisic acid localization 346.

Nodules, (continued)
Ainus glutinosa, actinorrhizas, factors affecting domancy 347.
Ainus rubra, Frankia, oxygen effects on nitrogenase activity 4606.
Ainus rubra roots, Frankia nitrogenase activity 6318.
Bradyrhizobium japonicum bacteroids, dentirfication pathway, in vitro, Glycine

Bradymizonium japonicum bacterious, dentiniuation patients), in vito. Gyoric max 8955. Bradyhizobium, Vigna ungiculatta 6364. Casuarina, Frankia isolation 4597. Casuarina, Frankia isolation 4597. Comation, Agrobacterium tumeface, Escherichia coli, Ti plasmid vectors, Hizzobium meliloti nod gene, gene expression 6366. Frankia DNA, isolation, purification, Alnus glutinosa 4370. Glycine max, Pardyhizobium japonicum 6362. Glycine max, nitrogen fixation, acetylene reduction measurement, acetylene concentrations 7283. Glycine max, nitrogen fixation, urate oxidase subunits, Rhizobium infection 4668. Glycine max, symbiosis, Bradyhrizobium japonicum, c-0-galactosidase, a-D-glucosidase 6363. hemoglobin levels, energy metabolism, nitrogenase, Rhizobium, comparison Frankia, Parasponia, Myrica gale 2898. Leguminosae, respiration, nitrogen fixation, Rhizobium upini isolation, carbon dioxide utilization association nitrogen fixation 9022.

Leguminosaei, respiration, introgen in habito, introduction association introgen fixation 9022: morphology, actinorrhizas, Datisca cannabina, Alnus nitida, 8151. Myrica gale, Frankia, nitrogenas activity, seasonal variations 4607. nitrogen fixation, citycine max, respirometry, measuring techniques 324. nitrogen-15 levels, nitrogen fixation, Rhizobium japonicum, Glyione max 2169. nitrogena-16 levels, nitrogen fixation, Rhizobium japonicum, Glyione max 2169. nitrogenase, Bracetylene reduction, measuring techniques, actinorrhizas, Alnus incana 8153. oxygen diffusion, Rhizobium, nitrogenase activity, acetylene inhibition, Leguminosae 8251. Pisum sativum, guitamine synthase cross-reactivity, Rhizobium leguminosarum 3956. proteins, Pisum sativum roots, Rhizobium leguminosarum interaction 4644. Rhizobium, Acacia dealbata seedlings, nitrogen fixation 2906. Rhizobium, Acacia dealbata seedlings, nitrogen fixation 2906. Rhizobium leguminosarum, nitrogen fixation, factors affecting, Pisum sativum 2987. Rhizobium leguminosarum, nitrogen fixation, factors affecting, Pisum sativum 2987.

Rhizobium, nitrogen fixation, energy metabolism, electron transport chain, Pisum

Rhizobium, nitrogen tixation, energy metabolism, electron transport cried, sativum 2972.

Rhizobium, nitrogen fixation, leghemoglobin, nodulin, genes, genetic analysis, Leguminosae 2978.

Rhizobium, Streptomyces inhibition, rhizosphere, Vigna mungo 6378.

Rhizobium, Tirfolium repens, Medicago sativa, survival, association, calcium oxide pelleting 2950.

Rhizobium, urefdee biosynthesis pathways, Leguminosae 2971.

Sesbania rostrata, calliuses, Rhizobium infection, pathogenesis 3798.

Trifolium subterraneum, Rhizobium trifolii populations, soil acidity effects on 405.

ultrastructure, Frankia, actinorrhizas, Dryas drummondi, Rubus ellipticus 8150.

gene expression, role nodulation, Rhizobium, Pisum sativum 2981. genes, genetic analysis, Rhizobium, nitrogen fixation, nodules, Leguminosae 2978.

genes, genetic analysis, Phizoblum, Pisum sativum 2981.
genes, genetic analysis, Phizoblum, Introgen fixation, nodules, Leguminosae 29;
Noise,
filters, computer applications, batch culture, ethanol production, computer
applications, yeasts 3630.
Nomilin,
conversion obacunone, bitter principle removal, Corynebacterium fascians,
immobilized cells, fruit juices, Citrus 7773.
Nomurses rileyt,
epizootiology, use biological control, Plathypena scabra, Anticarsia gemmatalis,
Pseudoplusia includens 5212,
Pseudoplusia includens 5212,
pathogens, virulence, conicila, biological control, Trichoplusia ni 6900,
virulence, temperature, dosage effects on, Anticarsia gemmatalis 5212.
Non-A, non-B bepatitis,
biood transfusion, disease transmission, identification, radioimmunoassay,
methodology, man 646.
non-beromitative gram-negative bacteria,
clinical isolatos, identification, Oxi Ferm tube test comparison N/F system 683.
Non-specific ursthritts,
differential diagnosis, urethrittis, use, Neisseria gonorrhoeae DNA hybridization
analysis, man 679.
Nonectin,
immediates macrolide antibiotics biosynthesis, Streptomyces griseus 6575.

anarysis, mari o'r.

Nonactin,
Intermediates, macrolide antibiotics biosynthesis, Streptomyces griseus 6575.

Nontarget organisms,
baculovirus, pathogenicity, infectivity, biological control, Palaemonetes
vulgaris 6921.
granulosis virus biological control effects on, orchards, Cydia pomonella 4387.
Pythlum ultimum, Trichoderma viride, pesticides (organochlorine) toxicity,
synergism 459.
Saccharomyces cerevisiae, toxicity, herbicides, insecticides, fungicides 2082.
soil microorganisms, toxicity, pesticides 5680.

Nopelline dehydrogenase,
activity, Agrobacterium tumefaciens, crown gall, plants 6274.

2\*\*Nor-2\*\*Geoxyguanociar\*,
antiviral activity comparison, 9-(2-hydroxyethoxymethyi)guanine, DNA polymerase
inhibition, herpes simplex virus 1349.

inhibition, herpses simplex virus 1349.

Morfloxactin,
antibacterial activity 6455.
antibacterial activity, Chlamydia trachomatis 3119.
antibacterial activity, ciprofloxacin comparison 6465.
antibacterial activity, Legionella 5726.
antibacterial activity, Mycobacterium 9085.
antibacterial activity, Pseudomonas aeruginosa, Enterobacteriaceae 9100.
antibacterial activity, Pseudomonas aeruginosa, Serratia marcascens, clinical isolates 4752.
antibacterial activity reduction, Bactec test media, Thiol broth 6458.

antibacterial activity reduction, Bactec test media, Thiol broth 6458, antibacterial activity, urinary tract bacteria, factors affecting drug resistance

antibacterial activity, urinary tract isolates, antibacterial agents comparison 6453

comparison, nalidixic acid, cinoxacin, oxolinic acid, antibacterial activity,

Enterobaciena de 3733.

cross-resistance, Pseudomonas aeruginosa, Escherichia coli 6421.
disc-diffusion test, bacteria, standardization, quality control 3047.
drug resistance, Escherichia coli, Pseudomonas aeruginosa 4700.

Norfloxacin, (continued) drug sensitivity testing, gram-negative bacteria, gram-positive bacteria 9095. Nornicotine, production, association, nicotine biodegradation, fungi 1890.

19-Norsteroids, intermediates, Nocardia corallina, fermentation, sterols, Glycine max 1823.

North America, successful and a successf

Northienamycin, structure, Streptomyces cattleya 1427.

Norway, clinical microbiology laboratories, antibiotic sensitivity testing quality control 4040

Picea abies, defensive mechanisms, lps typographus, mixed infection, Ceratocystis

air conditioning, microorganisms, enumeration, methodology 5863. bacteria, clinical isolates, antibiotic resistance 3994. contamination, Clostridium difficile 2412.

contamination, Clostrollum difficile 2412.

floors, cleaning systems, disinfection, bacteria 7544.

laminar air flow, aspesis, leukemia, man 572.

laminar air flow, infection prophylaxis immunocompromised hosts 570.

laminar air flow, infection prophylaxis immunocompromised hosts 570.

laminar air flow, infection prophylaxis immunocompromised hosts 570.

laminar air flow, infection prophylaxis malignancy, children 576.

laminar air flow, man, leukemia 575.

laminar air flow, man, leukemia 575.

laminar air flow, microwave radiation, sterilization, food, man 574.

imedicine containers, pathogens contamination 1503.

microbiocidal activity, ozone 2411.

pharmaceuticals, contamination, microorganisms, reviews 9149.

Nosocomial Infection,

Achromobacter xylosoxidans isolates, fatty acid composition, antibiotic sensitivity testing 4789.

bacteria, epidemiology, carpets, hospitals, man 581.

disease control, epidemiology, hospitals, environmental hygiene 1521.

disease control, epidemiology, nospitals, environmental ny Nostoc, symbiosis, Oryza sativa nitrogen uptake 3958. Nothofagus dombeyl, forests, species composition, fungi, soils, Argentina 3906.

blue stain, Ceratocystis, isolates, characterization 5598.

Nourseimycin, isolation, antimicrobial activity, Streptomyces noursei 2307.

isolation, antimicrobial activity, Streptomyces noursei 2307.

Novoblocin,
antibiotic resistance, genes, cloning, Streptomyces 1314.
biosynthesis ratio, proteinase, Streptomyces spheroides 6573.
derivatives, Actinomyces hydroxylation 5792.
fungli biosynthesis 2254.
resistance, Staphylococcus identification methodology, media (culture) 1318.
resistance, Staphylococcus saprophyticus identification 4692.
role, plasmid pMG110 elimination, Escherichia coli 5797.
Staphylococcus aureus susceptibility, agar media 1422.
Staphylococcus epidermidis, antibiotic resistance, MS-2 system 434.
sterilization, radiation 1378.

Noxythiolin,

naldehyde release mechanisms, antibacterial activity 2216. Nuarimol

Nuarimot,
effects on, Ustilago avena spores ultrastructure 2889.

Nuclear division,
mitosis Tulsanelia araneosa, fluorescence stains, microscopy 9330.

Nuclear Overhauser effect,
acyl carrier protein secondary structure, tertiary structure, Escherichia coli 1.

Nuclear polyhedroals virus,
biological control, histopathology, pathogenesis, Mythimna spearata 7791.

biological control, larea, Neodiprion seritder 6093.

biological control, Spodoptera littoralis 3571.

epidemiology, detection methodology, enzyme-linked immunosorbent assay, Lymantria
dispar 7561.

infection susceptibility, biological control, Heliothis sublexa. Heliothis zea

infection susceptibility, biological control, Heliothis sublexa, Heliothis zea 2657

2857, integrated control, pesticides, Heliothis armigera 977, isolation, virulence, use biological control, Cadra figuiliella 6904, mortality, dose-response effects, mathematical models, bioassays, biological control, Trichoplusia ni, Heliothis zea, Spodoptera frugiperda 6901, mortality, Heliothis armigera larvae, bioassays, use biological control 967, pathogens, biological control, pests, experimental infection, mammalian cells, nathogens, biological control. Pathogens biological control Pathogens biolo

pathogens, biological control, Rachiplusia nu, Rachiplusia ou 2659. pathogens, natural enemies, surveys, use, biological control, Tipula paludosa

2662

Lepidoptera 3249.

ceptuoriera de 2493.

triulence, biological control, susceptibility, larvae, Heliothis zea, Heliothis virescens, Heliothis arrigera 6903.

Nuclear power plants, tritiated water, wastewater treatment, hydrogenase, immobilized cells, Alcaligenes entrophus 554.

assays, identification, Staphylococcus aureus 3353. purification, characterization, Bacillus subtilis 5998.

Nucleation, ice, bacteria, plants 3781.

Cochilobolus heterostrophus DNA, isolation methodology 3365.
tungi, fluorescence staining 5936.
Lycopersicon esculentum leaves, potato spindle tuber viroid infection, site location 3819.

Nucleic acids, antibacterial agents effects on, bacteria 9094. antiviral activity, nucleosides analogs, herpes simplex virus 8328, biosynthesis, Escherichia coli, cyanocycline A inhibition, antibacterial activity

Nucleic acids, (continued) 1430.

1430
biosyntheeis, inhibition, primordia formation, Coprinus congregatus, cell culture methodology 2527.
concentration, Vigna radiata, plant viruses infection 2776. hybridization analysis, enterovirus detection, coxsackievirus B3 DNA use 4979. inhibition, antibiotics antibacterial activity 9174. interaction, benzodifuran derivatives arriviral activity 6483. pretreatment, cell culture, effects on herpes simplex virus 1 reproduction 463. Nucleocapatics, antilgens, pseudorables virus, use, skin tests, pigs 617. Nucleosidediphosphate kinase, purification, quaternary structure, mechanism, Escherichia coli 7700. Nucleosided,

purmication, quaternary structure, mechanism, Escherichia coli 7700.

Nucleosidese,
Analogs, antiviral activity, herpes simplex virus nucleic acids 8328.
analogs, antiviral activity, reviews 9130.
analogs, effects on, cytomegalovirus (human), replication 4022.

Nucleotide sequence,
ADP-ribosyl transferase, biosynthesis, comparison, Escherichia coli, Vibrio cholerae 7120. alcohol dehydrogenase Adh1 gene mutation, barley stripe mosaic virus, infection, Zea mays 7152.

cleavage, endodeoxyribonuclease, Acetobacter aceti subsp.xylinum 3501. genes, toxins, amino acid sequence, Corynebacterium diphtheriae 7119. Vibria cholerae toxins genes, deletion mutant analysis, vaccines developn

Vibria cholerae toxins genes, deletion mutant analysis, vaccines development 2327.

Nucleoticies, antiviral activity, vesicular stomatitis virus, replication, HeLa cells 8334, fermentation, manganese, deficiency, effects on, Brevibacterium ammoniagenes, Microoccus iuteus, DNA biosynthesis, precursors 951.

Nummularia, iuteus, DNA biosynthesis, precursors 951.

Nummularia, matabolities, characterization, 7-formylmellein, 5-formylmellein 5246.

Nutrient avallability, biodegradation, industrial wastes, ash, land disposal, soil microorganisms 8257. phytic acid, phosphorus, single-cell protein, Saccharomyces cerevisiae effects on, feeding trials, rats 7883. proteinase production, Pseudomonas fluorescens 7749. survival, starvation, soil isolates, clinical isolates, bacteria, fresh water, lakes 9224.

lakes 9224.
Torulopsis utilis, single-cell protein, juveniles, cattle 1921.

Tortudosis units, single-ceil protein, juveniles, cattle 1921.

Nutrient balance,
activated sludge, role, bacteria flocculation, extracellular polymers production,
settlement 2332.

Nutrient concentrations,

batch culture, association, fermentation, cellulose, Clostridium thermocellum

batch culture, association, fermentation, cellulose, Clostridium thermocellum 4443, glucose, carbon sources, aeration, 2,3-butanediol production, Klebsiella pneumoniae 3547.

nitrogen, activated sludge 4083.
pencillin 6 biosynthesis, immobilized cells, carrageenans supports, Penicillium chrysogenum 4048.

Nutrient cycles, forest floor, taiga, USA, Alaska 5545. iton, microorganisms, reviews 8208. mineralization, soli microorganisms biomass, paddy fields 5632. mineralization, soli microorganisms biomass, paddy fields 5632. october 10,000 corpo fields, Trificum aestivum 5668. mycorrhizas, rain forests, tropical environment 7225. nutrient dynamics, soli microorganisms, organic matter, crop fields 5637. role, microorganisms, eviews 8207. soli microorganisms, eviews 8207. soli microorganisms, reviews 8207. soli microorganisms, soli microorgani

4173.
introgen sources, models, wastewater treatment, serobic conditions 1479.
ribitol, chemostats, ribitol dehydrogenase, Escherichia coli 3444.

Nutrient dynamics,
introgen cycle, soil microorganisms, biomass, nutrient dynamics, crop production
(no-tillage), Triticum aestivum 5689.
nutrient cycles, soil microorganisms, organic matter, crop fields 5637.
Pinus sylvestris, association plant diseases 5601.
savannahs, tropical environment, soil microorganisms 2941.
soil microorganisms, environment management, pasture 8963.

Nutrient flow.

Nutrient flow,
Rhizobium, nodulation, nutrient flow infection, genetic analysis, Leguminosae 2974.

Nutrient loading, wastewater treatment, conferences 2549.

wastewater treatment, comercines 2049.
Nutrient loss,
litter biodegradation, winter, Picea mariana, Betula glandulosa, Cladina
stellaris, sub-polar environments 3907.
Nutrient requirements,

Alternaria porri, purple blotch, Allium cepa 2037.
Alternaria porri, purple blotch, Allium cepa 2037.
amino acids, proteins, bacitracin biosynthesis, Bacillus licheniformis 1403.
arathisotics biosynthesis, optimization, Streptomyces galbus 4875.
Bacillus, carbon sources, endospores formation, soil 4619.
bacteria, association, monomers biosynthesis, excretion, mathematical models 8512.

botic, growth factors, cell culture, reviews, yeasts 7787. biotin, lysine production, Brevibacterium lactofermentum 6817. carbon sources, hydrocarbons, L-lysine production, Arthrobacter globiformis 4265. celliulase production, U.V. radiation, mutagenesis, Penicillium funiculosum 8532. Calactoporium resinae, biodeterioration, contamination, fuels 1306. copper, growth, methylotrophic bacteria 8476.

ectomycorrhizas, reviews 829.
elements, Aspergillos, aflatoxins biosynthesis 7068.
fermentation, high-gravity wort, ethanol production, Saccharomyces uvarum 8667.

Nutrient requirements, (continued)

hydroponics, silviculture, actinorrhízas, nitrogen fixation, Alnus incana 8152. inoculum production, biological control, spore crystals, Bacillus thuringiensis subsp.galleriae 7601.

manganese, patulin biosynthesis, media (culture), Penicillium urticae 5796. media (culture), amino acids, vitamins, Bacillus thuringiensis subsp.galleriae 7603

rous, media (culture), Spiroplasma, methodology 1570. molasses fermentation, citric acid production, Aspergillus niger 8514, molasses fermentation, citric acid production, Rhodotorula glutinis 1856. oxalic acid, acetic acid, ozonation, wastewater treatment, Spirillum 4121.

okalici adul, debite auto, econiation, wastewater treammen, Spinium +121.
potassium, effhanol utilization, single-cell protein production, Torulopsis
ethanolitolerans 3409.
urea, sodium phosphate, industrial effluents distilleries, Bacillus 5818.
Vicia faba lear rust, pathogenesis, urediniospores, Uromyces viciae-fabae 5408.

Nutrient sources,

Aspergillus alfatoxins biosynthesis, mycelia growth 7074.
Aspergillus alfatoxins biosynthesis, mycelia growth 7074.
Apphyloplankton, ponds, composting, solid wastes, sewage sludge 6689.
Sphagnum, hydrolysates, Scytalidium acidophilum, single-cell protein, production 7879.

whey, lipids production, Aspergillus nidulans, Penicillium frequentans, Fusarium lycopersicum 7: Nutrient transport. 7788.

ectomycorrhizas, roots, Pinus sylvestris 5573 Nutrient uptake,

anions, vesicular-arbuscular mycorrhizas stimulation, triticum aestivum, Hordeum vulgare 5623.

Chromobacterium lividum, acephate, effects on 6460. hydrocarbons, Acinetobacter calcoaceticus, role extracellular cell membranes, particles 7308.

nitrogen sources, ammonium sulfate, vesicular-arbuscular mycorrhizas effects on, Sorghum bicolor 8215. phosphate, ectomycorrhizas, fertilizer applications stimulation, Pseudotsuga menziesii 5574.

herizusui 35/4.

Phosphate, ectomycorrhizas, phosphatase, comparison, Basidiomycetes saprophytes,
Betula pubsesors, Pinus contorta 5575.

Betula pubsesors, Pinus contorta 5575.

Bosphate, vesicular arbuscular mycorrhizas, colonization, roots, crops 5620.

phosphate, vesicular-arbuscular mycorrhizas, interaction actinorrhizas nitrogen
fixation, Hippophae rhamnoides 8243.

phosphate, vesicular-arbuscular mycorrhizas, physiology, colonization, roots, trees 5554.

trees 5054.
phosphate, vesicular-arbuscular mycorrhizas, spores levels, soils (sandy), yield,
Anacardium occidentale 7260.
phosphorus, Glomus fasciculatum, pH, ammonium nitrate ratio effects on,
Chrysanthemun monifolium 5642.
phosphorus, fuitrate, Piciolithus tinctorius inoculation, seedlings, Quercus rubra

8935.
phosphorus, nitrogen fixation, Rhizobium mellioti, vesicular-arbuscular mycornhizas inoculation effects on, Medicago sativa 8221.
phosphorus, vesicular-arbuscular mycornhizas, Citrus 8216.
rhizosphere microorganisms, mycornhizas, plants 5827.
stimulation, ectomycornhizas inoculation, seedlings, greenhouses, Pinus 5567.
stimulation, vesicular-arbuscular mycornhizas, Arachis hypogaas 5641.
vesicular-arbuscular mycornhizas, forests, tropical environment 5576.
vesicular-arbuscular mycornhizas inoculation, growth, Hordeum vulgare, Zea mays, Plants selvien 7575.

Pisum satıvum 7257 Pisum sativum 7257.
vesicular-arbuscular mycorrhizas, inoculum density, Trifolium repens 8214.
vesicular-arbuscular mycorrhizas, soil aeration effects on, Eupatorium odoratum,
Sorghum bicolor, Guizotia abyssinica 1256.
Zea mays+ Azospirilum brasilense nitrogen fixation, inoculation, yield, Zea mays,
Lolium perenne 1257.
Nutrient utilization,
Rhodotoralia plutinis, association, lipids production 970.

manganese, microorganisms, reviews 8209.

media, tobramycin biosynthesis, Streptomyces cremeus subsp.tobramycini 2313. microorganisms, removal, waste water 3202.

multiourganisms, relinoval, waste Water 3zu2.

removal, nitrogan, phosphorus, wetlands, waste water 1481.
substrates effects on Colletotrichum gloeosporioides latent infection, Persea grattisima fruits 7987.

Nutrition,

Kilebsiella pneumoniae, wood decay 4423. nitrogen-fixing bacteria, isolation, Oryza sativa rhizoplane microorganisms 8235. Vigna unguiculata, effects on disease resistance, tobacco necrosis virus,

vigina triguil-culate, effects of visease resultance, todacco recrosis visos, sunn-hemp mosaie virus 312. Vigina unguiculata seedings, effects on mixed infection pathogenesis, Fusarium oxysporum +sunnhemp mosaic virus 6234. Nutritional status, breast milk healt reatments, microorganisms contamination, immune status,

breast milk heat treatments, microorganisms contamination, immune status, infants, man 7038.

Nutritive value, activated sludge, industrial effluents, chickens 7015.

Basidiomycetes, characterization 8700.

Candida, single-cell protein, feeding trials, chickens 5361.

manure, digestion (aerobic), feeds, chickens 6201.

minerals, meals, soybeans+com, fermentation effects on, lactic acid bacteria

5393.
Paecilomyces varioti, feeds, chickens 7103.
proteins, affatoxins food contamination effects on, chickens 5352.
single-cell protein, conferences 2544.
single-cell protein, feeds 1914.
single-cell protein, fermentation, milk, ultrafiltration, plgs 1916.

Nuts,
Area catechu, incidence, patulin, India 7087.
food contamination, aflatoxins, chemical analyses, extraction, thin-layer
chromatography 7108.
mycotoxins contamination 3694.

Prunus amygdalis, food contamination, Aspergillus flavus aflatoxins levels 7101. Nypa fruticans, fermentation, vinegar production, Acetobacter aceti 6999.

ystatun, affatoxin B1 production, effects on, Aspergillus parasiticus 3745. antibiotic resistance, inhibition active transport, Candida tropicalis 5716. drug sensitivity testing, Candida 5735. resistance, Trichoderma reesei, mutants selection, cellulase yield 60.

nomilin conversion, bitter principle removal, Corynebacterium fascians, immobilized cells, fruit juices, Citrus 7773.

Occupational exposure, industries, safety regulations, legislation, enzymes 45.

Occupational hazards, laboratories, batchrai manipulation, safety instruments 5872. laboratories, pathogens, disease transmission, disease control 1522.

Ocean dumping, sewage sludge, indicator species, marine pollution 2389.

Othrationth, and an advantage of the production, use, detection, food contamination, serum, brods, reviews 7082.

Losynthesis, Aspergillus ochraceus, biomass, growth, temperature effects on 2758.

Contamination. Triticum assitum busynthate, detection high server.

2758.

Contamination, Triticum aestivum by-products, detection, high-performance liquid chromatography 5367.

detection, animais feeds, methodology, use, high-performance liquid chromatography, thin-layer chromatography 7053.

tod contamination, reviews 7060.

identification, Penicillium food contamination cheese 7080.

mycotoxicosis, association ingestion animals feeds, Yugoslavia 7048.

production, barley contamination, Aspergillus ochraceus, Penicillium viridicatum 5375. 5375.

thin-layer chromatography detection, olive oil 1931. Ochratoxin A2,

food contamination, man, animals, screening methodology, reviews 7079. Octimum basilicum, essential oils, antifungal activity, in vitro 9105. Octams.

biodegradation, algae ± Acinetobacter calcoaceticus 2191.

Cotopin.

biosynthesis detection, Nicotiana rustica, Agrobacterium tumefaciens crown gall 2808.

2608.

Octylsparsomycin,
structure-activity relationships 6584.

Odontogloasum ringapot virus,
Cymbidium mosaic virus, Cymbidium, infection, cytopathology 3823.

Odor compounds,
actinomycetes, absorption, off flavor, fishponds, Ictalurus punctatus 3211.
actinomycetes, chemical composition, water quality 2648.
volatilies, actinomycetes, taste, water quality 2649.

Odor control,
air polituion, trickling filters, use, microprogranisms 3200.

air politition, trickling filters, use, microorganisms 3200.
oral cavity, mouthwashes, antimicrobial activity, man 8432.

Odor intenetty,
microbial politition, fungi, actinomycetes, relationship pH, oxygen, reservoirs

3212

Odor perception, identification, bacteria 9287.

identification, bacteria 9287.

Odors, actino, ycotes, water quality, conferences 3387.

actino, ycotes, ycotes, ycotes, young and young any young and young any young and young any young

Officiation, antibacterial activity 4735, antibacterial activity comparison, tetracycline, Chlamydia trachomatis 9199.

antibacterial activity comparison, tetracycline, Chlamydia trachomatis 9199.

Offurace,
controlled-release granules, use, disease control, Solanum tuberosum late blight,
Phytophthora infestans 2887.

Oldlodendron grissum,
mycorrhizas, Vaccinium, characterization 1262.

Oldlodendron truncetum,
clerocidin characterization 5801.

Oldlum begonise,
powdery mildew etiology, Begonia socotrana 5464.

Oldlum begonise ver.macrosporum,
powdery mildew etiology, Begonia socotrana 5464.

Oli,
association, carbazoles, biodegradation, bacteria 4684.

association, carbazoles, biodegradation, bacteria 4684.
association, railway tracks, stimulation, biodeterioration, field trials, fungi,
bacteria 1305.

association, rainway tracks, stimulation, piodeterioration, neid trials, rungr, bacteria 1905.
bacteria biodegradation, sea water, continuous culture 1893.
bacteria biodegradation, bacteria, sampling, enumeration, reviews 4437.
biodegradation, bacteria, sampling, enumeration, reviews 4437.
biodegradation, dispersants, effects on, bacteria 1903.
biodegradation, dispersants, effects on, bacteria 1903.
biodegradation, marine environment isolates, Penicillium, yeasts 7310.
contamination, sulfate-reducing bacteria 6665.
microorganisms biodegradation, books 1683.
oxidation, Pseudomonas liquidaciens, Pseudomonas desmoliticum, Pseudomonas acuginosa, Mycobacterium lacticolium 7311,
pasteurization, antimicrobial activity, mathematical models, bacteria, biodeterioration 1297.
recovery, bacteria, enhancement, reviews 3004.
recovery enhancement, bacteria transport properties, sandstone, apparatus methodology 423.
recovery, enhancement, use, microorganisms, methodology 8270.
recovery, reservoirs, shales, reviews, hydrocarbon-degrading bacteria 8286.
recovery, use, microorganisms, methodology 8288.
samples, bacteria survival 9040.
shales, microorganisms, role, solubilization, laboratory methods 9029.

sampies, bacteria survival 9040, shales, microorganisms, role, solubilization, laboratory methods 9029, yeasts use, microorganisms growth association, kinetics mathematical models 2530. Oll and gas Industry, effluents, effects on microorganisms, biodegradation, USA, Wyoming rivers 9038.

Oll and gas Industry, (continued)
industrial effluents, wastewater treatment, reviews 8403.
industrial wastes, waste treatment, land disposal, biodegradation, soil
microorganisms 2178.
pipes corrosion, sulfate-reducing bacteria, reviews 8411.
sludges, land disposal, biodegradation, soil microorganisms 4919.
sulfate-reducing bacteria, biodeterioration, equipment, contamination, oil 6665.
tar+sand combustion wastewater treatment, organic compounds, microorganisms

tarr-sand combustion wastewater treatment, organic compounds, microuroxidation 3194.
use, biocides, antibacterial activity, sulfate-reducing bacteria 1299.
wastewater treatment, enzymes, microorganisms 180.
wastewater treatment, hydrocarbons, industrial effluents, biodegradation,
Pseudomonas aeruginosa, Egypt 2190.
wastewater treatment, reviews, bibliographies 4916.

wastewater treatment, reviews, bibliographies 4916.

Oil cake, effects on, Phytophthora parasitica var.piperina, growth, pathogenesis, Areca catechu 8138.

catachu 8138. extracts, Glycine max, media (culture), Saccharomyces cerevisiae 8485. fungi biodegradation, proteins production 871. soil amendment, disease control, root rot, Triticum aestivum 8088.

Oil dispersants, biodegradation, aquatic bacteria, seu water 1876. Oil installations,

waste water, sewage microflora, hydrocarbons biodegradation 2374.
Oil pollution,

estuaries, water chemistry, population levels, hydrocarbon-degrading bacteria 6399 Oll spills,

biodegradation, bacteria, characterization 1302. marine environment, biodegradation, enzymes, microorganisms 180.

marine environment, biodegradation, enzymes, microorganisms 180. Olts, emulsions, parovirus (porcine) vaccines production, pigs 7487. extraction, oiiseed crops, enzymes, microorganisms 54, foliar application, disease transmission, watermelon mosaic virus, Cucurbita pepo, Myzus persicae 6277. Gossypium hirsutum, aflatoxins 1932. olive oii, effects on Acinetobacter calcoaceticus cell adhesion, polystyrene 776. palm oii, use, Torulopsis candida culture, single-cell protein production 2553. roots, Orchidaceae, antimicrobial activity, bacteria, phytopathogenic fungi 4779. seeds, Annona squamosa, Azadirachta indica, vectors, rice fungro virus, pest control, Nephotetitx virescens, Orgaz astiva 6299. seeds, effects on Aspergillus parasiticus aflatoxins biosynthesis 3747. seeds, extraction, proteolytic enzymes, Bacillus subtilis, Brassica napus, Glycine max 3494.

zation, continuous culture, antibiotics production, fermenters 9154.

sterifization, confinitious curure, presentation of Cliseed crops, feeds, contamination, aflatoxins 7899, feeds, contamination, aflatoxins 7899, Gossypium hisrutum, dust, gram-negative bacteria endotoxins levels 5384, olis extraction, enzymes, microorganisms 54, olis extraction, enzymes, microorganisms 54, olise aurapea, industrial wastes termentation, single-cell protein production, Sporotrichum pulverulentum, Trichoderma viride 5114. Okra mosale virus, inoculation time, effects on growth, yield, Abelmoschus esculentus 7167, plant diseases, Abution hirtum, Sida acuta, Malvastrum coromandelianum, Physalis angulata, epidemiology, Nigeria 6262.

c resistance, Staphylococcus aureus, relationship protein A biosynthesis

9054. biosynthesis, fermenters parameters 6545. comparison, 4"-deoxy-4"-sulfonamido-oleandomycin, derivatives, antibacterial activity, Staphylococcus aureus 3121. fungi biosynthesis 2254. production, Streptomyces antibioticus, optimization 2276. Streptomyces antibioticus, biosynthesis, agitation, aeration effects on 2277. Otlets acid,

Otect acid, antagonism, gentamicin bacteriostasis 4052.
2'-5'-0ligo(A), antiviral activity mechanisms, herpes simplex virus 3065. antiviral activity, cytoplasmic polyhedrosis virus, Bombyx mori islates 473.
01igo-1,6-glucosidase, Bacillus cereus, purification, immunoaffinity chromatography, characterization 103.

Oligodeoxyribonucleotides, synthesis, use polyribonucleotide synthetase(ATP), phage T4 621. Oligoribonucleotides,

synthesis, use polyribonucleotide synthetase(ATP), phage T4 622. Oligosaccharides,

analogs, antibacterial activity, gram-positive bacteria, gram-negative bacteria 1335. structures, Streptomyces olivaceus 6579.

Olive latent ringspot virus, infection, Olea europea, plant viruses characterization 2016.

Olive oil,

detection, aflatoxin B1, ochratoxin A, thin-layer chromatography 1931.

Olives, fermented food, microorganisms 5331. food processing wastes, fungi biodegradation, proteins production 871. Olivoretin A,
Streptoverticillium olivoreticuli, structure, X-ray absorption spectroscopy 7478.

Streptoverticillium olivoreticuli, structure, X-ray absorption spectroscopy 7478.

Omphalotus olivascens, illudoids biosynthesis 527.

Onchocerclasis, vectors, biological control, streams, Simulium ochraceum, Bacillus thuringiensis, Mexicos 6915.

Mexico 6915.
Onlons,
post-harvest decay, neck rot, Botrytis allii, harvesting, drying effects on 8055.
Onychlurus latus,
grazing effects on competition, Mycena galopus, Marasmius androsaceus,
decomposition, leaf litter, Picea sitchensis 8940.
grazing, effects on soil vertical distribution, Mycena galopus, Marasmius
androsaceus, forests, Picea sitchensis 8939.
Ospora lactis,
dairy starters, ripening, cheese 6978.
triacylglycerol lipase, Aves feeding, captivity 7008,
triacylglycerol lipase, purification, characterization 6852.
Osporas,

triacylglycerol lipase, purification, characterisation.

Cospora.

Peronocclerospora sorghi, detection, Zea mays, seeds 7964.
production, Phytophthora infestans, Phytophthora drechsleri induction, pathogenicity, late blight, Solanum tuberosum 8034.
Pseudoperonospora cubernisis, downy mildew, incidence, Lagenaria siceraria, Cucirbita moschata, India 8383.

role, Pythium ultimum survival, soil, environmental effects 3928. staining, soil, phytophthora megasperma f.sp.glycinea 8203.

teraculum bromde staining, spore germination, viability 805.

Operating theaters, air circulation, airborne bacteria 4139.

air circulation, airborne bacteria 4139.

airborne bacteria, role communication, contamination, postoperative infection, man 4960.

6720.

Operon isoleucine-valine operon, cloning, gene regulation, 2,3-butanedione, 2,3-pentanedione, flavor compounds 7797.

composts, suppression, damping-off, Rhizoctonia solani, Raphanus sativus 290. Ophiostoma ulmi,

Dutch elm disease, biological control, Pseudomonas 2081.

Ophrys lutea,
endomycorrhizas, Rhizoctonia repends, laccase localization 380.

Opines, mediation,

diation, gene transfer, Ti plasmid, Agrobacterium turnefaciens, crown gall, host lants 235.

utilization, Pseudomonas, Agrobacterium tumefaciens, crown gall, plants 7131.

Oral cavity,
anaerobic bacteria, inflammatory diseases, antibiotics sensitivity, man 7405.
clinical isolates, Bacteroides, pericillin, antibiotic resistance,
B-lactamase production 7334.
fluoride release equipment, dental caries prophylaxis, animal models 6725.
isolates, identification, nitrate reduction methodology 9310, odor control, muchiwashes, antimicrobial activity, man 9432.

Oral hyglene, effects on, dental plaque, gingivitis, maxilla surgery, man 6726.

effects on, dental practices and practices are seen as a control, dental practices, and users are seen as a control of the seen as a control of the seen as a control, and the seen as a control, seen as a control of seen as a control

post-harvest decay, stem rot, green mold, disease control, fungicides 5470. susceptibility, Penicillium italicum post-harvest decay, ethylene treatment 3853.

susceptibility, Penicillium italicum post-harvest decay, etnyleine treatment 395.3.

Orchards,
CGA-15281 soil microorganisms biodegradation, structure-activity relationships,
Prunus persica 5886.

Citrus, species composition, fungi 3930.

dibromochloropropane, disease control, Criconemella xenoplax, effects on
Fusarium, Pythium, roots necrosis, Prunus persica 7164.

granulosis virus biological control, effects on nontarget organisms, Cydia
pomonella 4387.

Juglans regia, root rot, crown rot, Phytophthora 271.

Orchidacses.

Orchidaceae, roots oils, antimicrobial activiy, bacteria, phytopathogenic fungi 4779. Orginol

biosynthesis, Verticicladiella liquid culture 972.

Orcinol monomethyl ether,
biosynthesis, Verticicladiella liquid culture 972.

Oreilanine,

Cortinarius speciosissimus, toxicity, phostosynthetic apparatus, Lemna minor, structure-activity relationships 1949.

res, extraction, silver, gold, oxidation, Thiobacillus ferrooxidans 3001. manganese removal, Achromobacter 1287. molybdenum, oxidation, bacteria 9031.

Organelles, cell surface, cellulose binding, cellulolytic enzymes, Clostridium thermocellum 5162

Cochiobodus heterostrophus DNA, Isolation methodology 3365 immobilization, biotechnology 5101. immobilization, biotechnology, reviews 4976. immobilization, books 4232.

ntinounization, books 4232. immobilization, utilization, books 9341. Phaseolus vulgaris, host-pathogen interactions, Colletotrichum lindemuthianum 7142.

7142.
Crganic acida,
effects on digestion (anaerobic), sewage sludge 2352.
effects on digestion (anaerobic), sewage sludge 2352.
fermentation, rumen microorganisms, cattle 1919.
metabolism, Filhizobium bacteriotis, nodules, svolews, Leguminosae 2975.
production, agar, association, autodaves, effects on mycorrhizas spore
germination 5934.
production, biomass, energy resources, digestion (anaerobic), Trichoderma reesei
production, biomass, energy resources, digestion (anaerobic), Trichoderma reesei

Organic acids, (continued)

production, conversion, carbon monoxide, methanol, Butyribacterium methylotrophicum 3418. production, fermentation, rates, supports effects on, immobilized cells, Kluyvera

noncitrophila 5301.

noncitropnia sou!.

production, nitriles conversion, Brevibacterium 3433,
production, nitriles conversion, factors affecting amidase, Brevibacterium 4271.

hizosphere microorganisms, effects on clays dispersion, soil structure 5639.

salts, antimicrobial activity, bacteria, fungi, silage 6489.

use, Rhodospirillaceae hydrogen production, nitrogen sources association 1843.

artics viine affects on formantation, micropropaiges 96.72.

Prganic compounds, acids, wine, effects on fermentation, microorganisms 8672. acids, wine, effects on fermentation, microorganisms, 8672. antimicrobial activity, microorganisms, effects on, hay, preservation 6490. biodegradation, genetics, Pseudomonas, reviews 1013. biodegradation, reviews, books 8495. biodegradation, reviews, books 8495. biodegradation, waste treatment, industrial wastes, microorganisms 1015. conversion, catalysis, immobilized cells 1003.

effects on denitrifying bacteria population levels, continuous culture reactors

inhibition, nitrifying bacteria, wastewater treatment 2353. microorganisms oxidation, oil and gas industry wastewater treatment, tar+sand combustion 3194.

combustion 3194. production, biomass 3372. petrochemicals, production, biomass 3372. poliutants, biodegradation, ozonation, wastewater treatment 1469. poliution, biodegradation, bacteria films, ground water 8690. removal, gases waste treatment, use, microorganisms growth filters 3188. sulfur, formation, soil microorganisms, forests soils 5617. volatiles, production, effects on keratinophilic fungi growth, sporulation, soil 5648.

waste treatment 9238

ater insoluble, lipophilic, conversion, immobilized cells, immobilized enzymes 141

Cogloea biodegradation, activated sludge 7490.

Organic matter,
accumulation, soil microorganisms activity, fertilizer applications, ammonium
sulfate, soil structure, pasture 5840.

John Studenstein, Sun audeure, pasture 5540. biodegradation, dissolved oxygen, biochemical oxygen demand, biomass, microorganisms, ATP, waste water, rivers 1454. biodegradation, microorganisms, succession, community development, soil, reviews 4625.

biodegradation soil microorganisms, crop fields 1265. carbon-14 enrichment, flux, turnover, biodegradation, soil microorganisms, soil

8964.
colonization, Glomus caledonium, Glomus mosseae 6344.
composting, rhizosphere microorganisms, effects on Sorghum vulgare roots, soils (sandy), clays 2121.
decomposition, fungi, tropical environment, rain forests 2911.
decomposition, humification, mathematical models, soil microorganisms 5638.
decomposition, microorganisms, biogeochemistry, nutrient dynamics, reviews, peatlands 7254. decomposition, microorganisms, carbon (activated), filters, wastewater treatment 2349.

2349, torests soil, association, mineralization, carbon, nitrogen 8145, forests soil, nitrogen mineralization 7290. Inieralization, soil microorganisms, savannahs, tropical environment, ecosystem dynamics 2941 nutrient cycles, nutrient dynamics, soil microorganisms, crop fields 5637. soil amendment, effects on phytopathogenic fungi damping-off, Pinus banksiana, Picea mariana 1239. Soil amendment effects on soil microorganisms population levels, mining wastes

wastes, conversion, biomass, bacteria, fungi, methodology, books 6793 wastes, conversion, microorganisms, biomass, production, use, rural populations, rural environments, books 6794.

Organic solvents.

Organic solvents,
stability, phosphogluconate dehydrogenase, comparison Bacillus
stearothermophilus, yeasts 73.

Organoleptic evaluation,
aroma compounds, musis fermentation, wine production, Schizosaccharomyces
acidodevoratus 6933.
beer, fermentation, fermenters, yeasts 6932.
cheese, food contamination, food processing hydiene 8709.
comparison automated methods, detection bacteria, spoilage, eggs 1052.
fermented food, cassava, retting, lactic acid bacteria, Corynebacterium, Bacillus

3698

. 5095. kefir, production, lactic acid bacteria 1055. off flavor, coliforms, spoilage, sheif life, milk 4448. spoilage, vacuum packaging, liims, oxygen permeability, mutton 5362. wine, musts, decomposition, L-tartaric acid, L-malic acid, Botrytis cinerea 8666. wine, musts malolactic fermentation, Leuconostoc cenos 2692. regeneratic properties.

with musts manuacine termentation, Leuconostoc bends 26 Organicleptic properfies, quarg, production, starter cultures, lactic acid bacteria 1054, wine, fermentation control effects on 6120, wine, musts fermentation, temperature effects on 1871.

Organs, detection, polyoma virus, genomes, mice, methodology 6744.

Ornamental plants,
disease control, composts, soil-borne diseases, Rhizoctonia 6300.
trees, diseases, books 840.

Ornidazole,
drug sensitivity testing, anaerobic bacteria, microaerophilic bacteria, clinical isolates 4731.

Ornithine, containing lipids, mass spectroscopy. Thiobacillus thiooxidans 5024. Ornithine decarboxylase, inhibitor, purification, characterization, Escherichia coli 2588.

Ornithogalum, Puccinia hordei, parasitism, characterization 7968.

Oryza,

nitrogen fixation, fertilizer applications \$14.

Oryza sativa,

last, Pyricularia oryzae, appressoria penetration, isoprothiolane inhibition blast, Pyricularia oryzae, disease control, oxytetracycline, streptomycin 7215 Oryza sativa, (continued)

yea seuve, (conunuso) cell walls, appressoria penetration, Pyricularia oryzae, tricyclazole inhibition 2092.

cell walls, appressoria penetration, Pyricularia oryzae, tricyclazole inhibition 2092.

rop residues, sewage sludge, composting, actinomycetes, aerobic bacteria, cellulolytic bacteria 7492.

disease resistance, bijent, Xanthomonas campestris pv.oryzae, Xanthomonas campestris oryzae 6298.

disease resistance, plant breeding 8896.

disease resistance, plant breeding 8896.

disease resistance, Pyricularia oryzae blast 1128.

grain, contamination, aflatoxin 81 8733.

infection, phypathogenic fungi, pathogenesis, epidemiology, etiology 1986 inheritance, Pyricularia oryzae blast disease resistance 5493.

leaves, levels, RNA, DNA, blast, Pyricularia oryzae 7978.

leaves, Rhynchosporium oryzae infection, histopathology 8793.

lignocelluloses, biodegradation, residues, use methanogenesis, culture, Pleurotus sajor-caju 2697.

mutagenesis, disease resistance, leaf blight, Xanthomonas campestris var.oryzae 5475.

mutagenesis, disease resistance, leat blight, Aamintinonas campesias var.01/2ac 5475.

ntrogen cycle, Azolla pinnata fertilizers 3963.
ntrogen cycle, Azolla pinnata fertilizers 3964.
ntrogen fixation 2993.

ntrogen fixation 2993.

ntrogen fixation 2993.

ntrogen fixation 2994.

ntrogen fixation 2994.

ntrogen fixation 2994.

plant preding, disease resistance 2881.

plant preeding, disease resistance 2881.

plant preeding, disease resistance, rice dwarf virus 7202.

plant diseases, tungro virus, pathogenesis, yield 4514.

plant viruses, antigens, detection, latex agglutination 5416.

planting density, paddy fleds, vertical distribution, nitrogen-ase,
nitrogen-fixing bacteria, rhizosphere microorganisms 7281.

post-harvest decay, distribution, mycella, sterigmatocystin, Aspergillus
versicolor 8875.

Rhizoctonia oryzae-sativae spot 5436.

hizoplane microorganisms, nitrogen-fixing bacteria, isolation, activity,
morphology, nutrition 8235.

hizosphere, isolation, Pseudomonas, Alcaligenes, Aeromonas, nitrogen fixation
5653.

500.5. hrizosphere microorganisms, iron reduction, dehydrogenase activity, redox potential, fertilizer applications effects on 7297. rhizosphere microorganisms, nitrogen-fixing bacteria, symbiosis ultrastructure

8236

8236
rhizosphere, Saprolegniacoae, Pythiaceae 8220.
rhizosphere soil composition, manure effects on 2996.
rice ragged stunt virus, disease transmission, grassy stunt virus, Nilaparvata lugens, Nilaparvata bakeri 4520.
rice stripe necrosis virus 7144.
rice tungro virus, disease control, Nephotettix virescens, vectors, carbofuran, phorate, chemical control 2072.
rice tungro virus, disease spread, Nephotettix 7153.
rice tungro virus, vectors, Nephotettix virescens, pest control, Annona squamosa, Azadirachta indica, seeds oils, Nephotettix virescens 6299.
rice tungro virus, vectors, pest control, carbofuran formulations, Nephotettix virescens 6299.

nce tungro virus, vectors, pest control, carbofuran formulations, Nephotettix virescens 6295. roots, catalase, ultrastructure, intercation, sulfur bacteria, rhizosphere 8962. roots, ntrogenase activity, diurnal variation, seasonal variations 5674. seadi, Menographella aibescens, fungicides, disease control 2087. seedings, blast, Pyricularia oryzae, night temperature effects on susceptibility 7958.

7956.
seedlings, brown spot, Drechslera oryzae, heavy metals salts effects on disease resistance 2077.
seedlings, disease resistance, Drechslera sorokiniana inoculation 7201.
seedlings, Helminthosporium oryzae brown spot, disease control, phytoalexins inducers 3887.
sheath blight, Rhizoctonia solani, disease control, benzyloxypyridazines 5534.
sheath blight, Rhizoctonia solani, disease control, dapiramicin A, dapiramicin B

4003.
sheath blight, Rhizoctonia solani, disease resistance 7147.
soil, manure, effects on, nitrogen fixation 6384.
soil, wetlands, nitrogen cycle 3965.
straw, bagasse, microwave radiation pretreatment, cellulose, Trichoderma viride

straw, b straw, digestion (anaerobic), methanogenesis, effects on digestibility, cattle 7875.

7875.
straw, mycoflora, mycotoxins identification 7093.
straw, utilization, Trichoderma harzianum, production, single-cell protein, cellulase 3725.
varieties, Pyricularia oryzae pathogenicity, energy role 1132.
varieties, rice ragged stunt virus disease resistance, Thailand 8100.
varieties, sheath blight, Rhizoctonia solani, interaction, Nilaparvata lugens 8789

viruses, mycoplasma-like organisms, disease transmission, Cicadellidae, Delphacidae, vectors 7156. yield, fertilizer applications+Azospirillum inoculation, nitrogen fixation 1273. Oryzachlorin,

Oryzachlorin, structure, aspirochlorine constituents, Aspergillus oryzae 3150. Oryzae sative, soil, nitrogen fixation, nitrogen-fixing bacteria 7287. Oryzaephillus surinamensis, biological control, Beauveria bassiana 3574. Offizialin,

effects on growth, Phytophthora cactorum, Erwinia, antagonism 2177.

Oacillatoria,

± Acine to be calcoaceticus, biodegradation, octane 2191.

Cample potential, urine, effects on gentamicin antibacterial activity, Escherichia coli, Pseudomonas aeruginosa 3108.

Cemotic stress,

Osmotic stress, initiotion, introgen fixation, Klebsiella pneumoniae, glycine betaine, enhancement, nitrogenase, biosynthesis 6354.

Ostrinia nubilalia, biological control, pathogens, Hyphomycetes 6909.

Ottorhynchus suicatus, biological control, Metarhizium anisopliae, Metarhizium flavoviride, temperature

Otlorhynchus sulcatus, (continued)
effects on susceptibility 2650.
Otlils media,
Vibrio parahaemolyticus isolation, antibiotic sensitivity testing, man 3094.

Other media, 
Wibrio parahaemolyticus isolation, antibiotic sensitivity testing, man 3094. 
Outer membranes, 
damage, Escherichia coli, habekacin, antibacterial activity 521. 
Escherichia coli, globomycin effects on, resistant mutant formation 6556. 
Escherichia coli, polymycin B derivatives antibacterial activity, complement 
bactericidal activity 5784. 
gram-negative bacteria, binding, polymyxins derivatives, stimulation, 
susuceptibility, artibacterial activity, complement, antibiotics 4803. 
interaction, aminoglycosida antibiotics, Pseudomonas aeruginosa 9176. 
membrane proteins, membrane permeability, R factor R124 effects on, antibacterial 
agents sensitivity, Escherichia coli 4724. 
membrane proteins, purification, characterization, Legionella 2561. 
membrane proteins, purification, characterization, Legionella 2561. 
membrane proteins, purification, characterization, Legionella 2561. 
Overwintering, Cochiiobolus sativus, sporulation, crop residues, soli 5420. 
conidia, Claviceps purpurea infectiicn, Poa annua 7175. 
Fusarium graminearum, crop residues, disease reservoirs, stalk rot, USA, 
Minnesota, Zea mays 7967. 
Matus, Pseudomonas syringae pv. apulans, Pseudomonas syringae pv. syringae 6252 
Mycosphaerella juglandis sp. nov, leafspot, Juglans nigra 7163. 
Peronospora hyoscyami conidia, infectivity, blue mold, Nicotiana tabacum 8817. 
Phytophthora cinnamomi, survival, Abies fraseri seedlings 1235. 
Pseudomonas syringae pv. syringae, Prunus persica 6247. 
Venturia inaequalis, Malus 2001. 
Vicides, 
pathogens, biological control, eggs susceptibility, Perileucoptera coffeella,

Venturia iriaequais, mass volucitaes, pathogens, biological control, eggs susceptibility, Perlieucoptera coffeella, Metariizium anisopiiae 6910.

1-Oxacephem, analogs, synthesis, antibacterial activity, structure-activity relationships, Escherichia coli, Klebsiella pneumoniae 4824.

derivatives, synthesis 6521. Oxacillin,

pacellin, antibacterial activity, clinical isolates, Staphylococcus 4805. antibacterial activity, Staphylococcus aureus, ultrastructure, growth 7448. antibiotic resistance, micromethods, dilution tests, Staphylococcus, use sodium chloride containing Mueller-Hinton agar 3012. antibiotic tolerance, dilution tests comparison, Staphylococcus aureus 6435. resistance, Staphylococcus, dilution tests 4713. +rifamycin, antibacterial activity, Staphylococcus, antibiotic resistance, defection, use, AutoMicrobic test 2207. Streptococcus, antibiotic resistance, defection, use, AutoMicrobic test 2207. xafun,

Satephococcus group is susceptioning 1351.

Oxatiun,
Inhibition, Bacillus subtilis, antibiotics production, antagonism, Phoma betae,
mizosphere 2139.

Oxalic acid,
levels, role Sclerotinia sclerotiorum, pathogenesis, virulence, Helianthus annuus

levels, role Scieronnia scierouorum, parrogenesis, viruleinoe, neliainnus 2010. levels, Solanaceae, fungi infection 6281. nutrient requirements, ozonation, wastewater treatment, Spirillum 4121. Oxalis dillenil,

Oxalis alienti, hosts, tobacco ringspot virus, tomato ringspot virus 3818.
Oxaloacetate decarboxylase, subunits composition, characterization α-chains transferase activity, membrane proteins, Klebsiella aerogenes 1791.
Oxaloacetic acid, binding malate dehydrogenase, kinetics, Phycomyces blakesleeanus 3454.

binding malate centyorogeness, necessary, enterest, comparison, personal contents of the conte Oxidants, disinfection 1510.

disinfed Oxidase,

Oxidase, association, bacteria detection methodology 1580, bacteria growth, Campylobacter media (selective) 1654, extracellular enzymes, detection, molds 1799.

Oxidative metabolism, phenois removal, wastewater treatment, activated studge 5847.

Oxidative phosphorylation, coupling factor 1 subunits, characterization, companison, Escherichia coli, Salmonella typhimurium 3440, mitochondria, uncouplers, averufin 4472.

Oxidizing acents.

mitoconordia, uncoupiers, averufin 4472.
Oxidizing agents,
stereoselectivity, synthesis, 6-acetonylidene penicilianates, 6-acetonyl
penicilianates 6538.
N-Oxime ethers,
antifungal activity, feeds, preservatives 8713.

aminingal acursty, resus programment, and continued to the continued to th

2-Oxo-penams, synthesis, benzylpenicillin 6537. β-Oxoesters, reduction, Thermoanaerobium brockii 8654.

reduction, Thermoanaeronum procksi 8554.

Oxoglutarste dehydrogenase (lipoamide),
+ dihydrolipoamide succinyltransferase+dihydrolipoamide dehydrogenase multienzy
complexes, mechanisms, kinetics, Escherichia coli 7699.
+ dihydrolipoamide succinyltransferase+dihydrolipoamide dehydrogenase multienzy
complexes, thioctic acid localization, electron microscopy, Escherichia coli
7702.

Oxollaria acid.

Oxolinic acid.

antibacterial activity 6455.

Oxolinic acid, (continued)
comparison, norfloxacin, artibacterial activity, Enterobacteriaceae 7373.
cross-resistance, Pseudomonas aeruginosa, Escherichia coli 6421.
3-Oxosterold Δ¹-dehydrogenase,
activity, hydrocortisone supersaturation, immobilized cells, Arthrobacter simplex
3523.

NOxy-3-amino-2-azetidinone, synthesis, antibacterial activity, gram-negative bacteria 9206. Oxycarboxin,

fungicides, disease control, leaf rust, stripe rust, triticum aestivum 2904 Oxygen sorption rates, bacteria media (culture), aeration column, sewage treatment

3291.
Afrus unbra nodules, effects on nitrogenase activity, Alnus rubra 4606.
Afrus unbra nodules, effects on, Maliotus japonicus, llex pedunculosa, bark,
nitrogen-fixing bacteria activity 8148.
carbon dioxide reaction mechanisms, cytochrome c oxidase, kinetics, thermophilic
bacteria 7755.
Content farmanters 2674.

bacteria 7755.
content, fermenters 2674.
diffusion, nodules, Rhizobium, nitrogenase activity, acetylene inhibition,
Leguminosae 8252.
effects on Aspergillus aflatoxins biosynthesis, in vitro 7071.
effects on dehydrogenase activity, soil 8988.
effects on Glomus macrocarpus, inoculation, growth, Eupatorium odoratum 7256.
effects on, microorganisms, digestion (anaerobic), animal wastes, methanogenesis
84077. 8407

oeur.

effects on nitrogenase, acetylene reduction, Rhizobium bacteroids, Vigna unguiculata, Arachis hypogaea 7291.

effects on Rhizobium leguminosarum, nitrogen fixation, nodules, Pisum sativum

2987 ethanol production, Saccharomyces cerevisiae, effects On 3603.

ethanol production, Saccharomyces cerevisiae, effects On 3603. five radicals, photochemistry, role lignin degradation, models, fungl 3663. inactivation, nitrogenase complex, Azotobacter vinelandii 885. incorporation, erythromychi biosynthesis, Streptomyces erythreus 7452. incorporation, Phanerochaete chrysosporium, lignin biodegradation 4431. inhibition nitrogenase, nitrogen fixation, nitrogen-fixing bacteria 2610. lons, production, cercosporin, photoinduction 7901. Jevels, effects on superoxide dismutase, radiosensitivity, spores, Bacillus levels, effects on superoxide dismutase, radiosensitivity, spores, Bacillus

megaterium 4743. musts, effects on ethanol production, yeasts 6122. nitrous oxide bioaccumulation association, reduction inhibition, Pseudomonas

nitrous oxide bioaccumulation association, reduction inhibition, Pseudomonas 2157.

permeability, films, packaging, inhibition, growth, Clostridium botulinum, luncheon meat 7023.

permeability, films, vacuum packaging, spoilage, mutton 5362.

production, immobilization, hydrogenase4-ferredoxin+chloroplasts 5161. reduction, products, susceptibility, Treponema pallidum, in vitro 6457. relationship odor intensity, actinomycetes, fungi, microbial pollution, reservoirs 3212.

transfer, rotating discs, wastewater treatment 2347. transfer, temperature effects on, rotating discs, wastewater treatment 1471. Trifolium repens nitrogen fixation, effects on 2958. uptake, assays, use, processes control, activated sludge, wastewater treatment 3193. uptake, continuous culture, Saccharomyces cerevisiae 4229.

uptake, continuous culture, Saccharomyces cerevisiae 4229

uptake, continuous curiure, Saccirarurinyas cereviside 12.5.

Oxygen consumption,
aiphatic alcohols effects on, activated sludge, wastewater treatment 6675.
continuous culture, batch culture, Enterobacter aerogenes 6776.
dissolved oxygen, mathematical models, activated sludge 6690.
monitoring, automated methods, biochemical oxygen demand, activated slud
monitoring, entanol production, fermentation, computer applications,
Saccharomyoso cerevisiae 6140.
Theory inhibition, monitoring, computer apolications, activated sludge 6703

ated sludge 6688

Saccharomyces cerevisiae 6140.

phenol inhibition, monitoring, computer applications, activated sludge 6703.

Oxygenses, activity, metabolism, biodegradation, isobutane, propane, Nocardia paraffinicum 8275.

purification, characterization, lignin biodegradation, Phanerochaete chrysosporium 6011.

Oxygenation, composting, lemperature, evaporation, ventilation 4085. fermentiers, animal wastes, digestion (aerobio) 4108. fermentiers, microgranisms 3220.

Oxyfinino-cephalosporins, structure-activity relationships, interaction Escherichia coli β-lactamase, Streptomyces senine proteinase, zinc proteinase 6832.

Oxyfetracycline, antibiotic resistance, animal isolates, mastitis, Streptococcus agalactiae, Staphylococcus aureus, Streptococcus 9083. antibiotic resistance, animal isolates, mastitis, Streptococcus agalactiae, Staphylococcus aureus, Streptococcus 9083. antibiotic activity, in vitro, Pyrioularia oryzae, disease control, blast, Oryza sativa 7215. drug sensitivity testing, Branhamella catarrhalis 9087. production, continuous culture, Streptomyces rimosus 4056.

production, committees candle, streptonyces immediately.

Orytocin,
antibiotic synergism, antibacterial activity, sepsis experimental infection,
clinical trials 6585.

Oxytril CM,

antibacterial activity, Streptomyces soil isolates 4737. Ozonation,

rzonation,
aromatic compounds, biodegradability, wastewater treatment 2371.
pollutants, biodegradation, wastewater treatment 1469.
pollutants, biodegradation, wastewater treatment 1480.
wastewater treatment, oxalic acid, acetic acid, nutrient requirements, Spirillum
4121.

4121.

Czone,
Allium cepa, effects on Botrytis infection 8000.
bactericidal activity, cooling towers bacteria 5851.
+ biodegradation, trihalomethanes removal, water treatment 7497.
disurfection, waste water featment, microbial pollution, enterovirus 2372.
inactivation, enterovirus, sewage 4928.
microbiocidal activity, noscoomial environments 2411.
pretreatment, lignocelluloses, celluloytic enzymes activity, rumen microorganisms 3459.

pretreatment, lignocelluloses, effects on biodegradation 1880. synergism, chlorine, disinfection, sewage effluents, poliovirus 1 6694.

Pachysolen tannophilus,
chromosome number, association, ethanol, production 147,
ethanol, fermentation, monitoring, measuring techniques 3611,
ethanol production 3621,
ethanol production, xylose conversion 3595,
ethanol production, xylose fermentation 3596,
ethanol production, xylose fermentation, trifluoroacetic acid hydrolysis,
hemicelluloses, straw, Triticum aestivum 8657,
hemicelluloses conversion, ethanol production 3620,
mutants, enhancement, growth, ethanol, fermentation, association, xylose 6144,
xylose conversion, ethanol production 3657.
xylose conversion, ethanol production 3657.

meat 7033 pollage, psychrotrophic bacteria 5363, pasteurzation, cold storage, shelf life, seafood, Crassostrea virginica 8720, pork, effects on bacteria growth, spoilage 4465.

addy fleids, activity, intritrying bacteria, denitrifying bacteria 404. aerial applications, formulations, distribution, Bacillus thuringiensis 6902. insecticides inhibition introgen fixation, fluizosphere microorganisms 1283. planting density, vertical distribution, nitrogenses, nitrogen-fixing bacteria, rhizosphere microorganisms, Oryza sativa 7281.
Psorophora columbiae biological control, Bacillus thurngiensis 5264. rhizosphere microorganisms, nitrogen cycle, Oryza sativa 7284.
soli microorganisms, biomass mineralization, nutrient cycles, carbon, nitrogen

soil microorganisms, reviews 377.

soil microorganisms, reviews 377.

Peacllomyces
composts, suppression, damping-off, Rhizoctonia solani, Raphanus sativus 290.

Peacllomyces tumosc-roseus,
beauvericin biosynthesis 8379.

Peacllomyces tusisporus,
composts, phosphatase activity 7491.

Peacliomyces Illiacinus,
antibiotic P168, structure 9207.
antifungal activity, miconazole 4016.
leucinostatin, separation, characterization 3144.
leucinostatin structure, peptide antibiotics, leucinostatin structure,
Paecilomyces liliacinus 3145.
pathogens, biological control, observation methods, Globodera rostochiensis 5224.

Paecllomyces marquandli,
peptides, phytotoxins, antibiotics, structure, antibacterial activity, antifungal
activity 8742.

Paecllomyces varioti,

activity 8742.

Paecllomyces varioti,
feeds, chickens, nutritive value 7103.
Pekilo process, sulfite liquor fermentation, single-cell protein production,
monitoring, computer applications 5968.
single-cell protein production, biomass measurements, sulfite liquor, Pekilo
process 5965.

biodeterioration, control, biocides 1288. +Candida utilis, fermentation, Saccharum officinale crop residues 3686 Paederus alferii,

Peederus altern,
host-pathogen interactions, host-parasite interactions, predator-prey
interactions, Spodoptera littoralis, Bacillus thuringlensis, Zele chlorophthalma,
Egypt, Arab Hep. 128.
Paintnigs,
biodeterioration, molds 1027.

Plaints, Inglicides, chemical control, fungi, growth 1290. industrial effluents, wastewater treatment, biodegradation 2380. microorganisms biodegradation, books 1683.

preservatives 1291.

tin biocides, inhibition activated sludge, wastewater treatment 6673.

4-tolyldiodomethylsulfone, antifungal activity 1289.

Pakistan,

Pakistan,
Agaricus disporus, culture 7870.
Ascochyta rabiei blight, Cicer arietinum, reviews 3789.
epidemiology, Verticillium albo-atrum wilt, Cicer arietinum 1117.
granulosis virus, biological control, Agrostis segetum 6079.
Puccinia rust epidemics, Triticum, LANDSAT, monitoring 6246.
Tilletia foetida, bunt, virulence, races, Triticum aestivum 7965.
Palsemonetes vulgaris,
nontarget organisms, pathogenicity, infectivity, toxicity testing, baculovirus
6921.
Palsoenvironments

Paleoenvironments, bacteria nitrogen fixation evolution, biosphere 2171.

Palladium,

detection, antibiotics, spectrophotometry methodology 496.

use, Torulopsis candida culture, single-cell protein production 2553.

Palmittic acid, sponse, use 6588

carriers, synthetic peptides, antibody respo synergism, gentamicin bacteriostasis 4052. Palmitoyltuberactinamine, antibacterial activity 3160.

Pan troglodytes, peptides, synthetic, vaccines production, immunogenicity, hepatitis B virus 6615. peptides, synthetic, vaccines production, many periods, synthetic, vaccines production, many periods, secretions, stimulation antibacterial activity, chloramphenicol, phanquinone, chlorquinaldol, man 9088.

Panicum virgatum, spot blotch, Helminthosporium sativum, pathogenicity, host range 2794.

Panonychus ulmi, nontarget organisms, granulosis virus biological control effects on, orchards, Cydia pomonella 4387.

Papaya leaf reduction virus, plant diseases, Carica papaya, biochemical characteristics association pathogenesis 8812.
Papaya mosalc virus, plant diseases, Carica papaya, etiology 4524.

plant diseases, value pulper, states, plant all plant diseases, comparison, watermelon mosaic virus 1, host range, Cucumis 8039, mutants, use, biological control, infection, Chenopodium quinoa 8110. Papayas, post-harvest decay, Stemphylium lycopersici, pathogenesis 1164

Paper, hydrolysis, cellulolytic enzymes, vinyls stimulation 4330. postal stamps, biodeterioration, fungi 3649. preservatives 1291.

production, starch hydrolysis, enzymes, fungi, paper mills 49.

Paper mills,
industrial effluents, wastewater treatment, lagoons, mutagenicity industrial

industrial emuents, westewater treatment, lagoons, mutagenicity industri-effluents 4903.
industrial wastes, composting 5836.
industrial wastes, lignocelluloses hydrolysis, fuels production, cellulolytic microorganisms 7781.

microorganisms //el.)
pulp mills, lignin hydrolysis, enzymes, fungi 49,
use, biotechnology, wastewater treatment, production, reviews 8397.
Papillies,
solanum tuberosum disease resistance correlation, Phytophthora infr

Papiliae, solarum tuberosum disease resistance correlation, Phytophthora infestans infection 6303.

Papilioma virus (bovine), cioning vectors, transfection mammalian cells 629.

Papovavirus, immunoelectron microscopy, solid phase methods, cell culture 599.

Papulacandin B, antifungal activity, cell walls, ultrastructure, Candida albicans 9108. antifungal activity, glucans biosynthesis inhibition, Saccharomyces cerevisiae, Candida albicans 1440. effects on, Schizosaccharomyces pombe, β-glucans, biosynthesis 2223.

action of the control of the control

Nitrosomonas europaea, Nitrobacter agilis, effects on growth 2176. Parasites, fungi, soil, Antarctica 8982.

turgi, soil, Antarctica 8982. Harposportium anguillulae, Verticillium, Rhabditis, Aphelenchus, Mexico 2126. Parasitism, Catenaria anguillulae, spores, Phytophthora cinnamomi, Phytophthora parasitica, biological control, root rot, Citrus, Persea 5515. Helicotylenchus digonicus, roots, interspecific relationships, mycorrhizas, Pinus strobus, Pinus excelsa 348. parastophagus, finus). Meanta, poquistion dynamics, pedicated studgo, 7537.

nematophagous fungi, Nemata population dynamics, activated sludge 7537 Puccinia hordei, Hordeum spontaneum, Ornithogalum, characterization 796 Trichoderma, phytopathogenic fungi biological control, ultrastructure 1213.

Trichoderma, phytopathogenic fungi biological control, ultrastructure 1213.

Parasponia,
nodulation, nitrogen fixation, Rhizobium 2977.
nodulas, Rhizobium, hemoglobin levels, energy metabolism, nitrogenase 2898.

Paratition-methyl,
biodegradation, industrial wastes, bacteria, fungi 3677.
biodegradation, zenobiotics, inhibition, exudates, aqualic microorganisms 8687.

Paratuberculosis, cattle, enzyme-linked immunosorbent assay methodology, Mycobacterium paratuberculosis protoplasm peptides 4185.
diagnosis, immunoperoxidase test 3323.

Parenteral nutrition,
disasse control man 2419.

disease control, man 2419

wastewater treatment, USA, Florida 5845.

Parthenium argentatum,
growth, latex levels, stimulation, inoculation, vesicular-arbuscular mycorrhizas

56/22, yield stimulation, inoculation, rhizosphere, pseudomonas 8213.

Parthenium hysterophorus, allelopathy, inhibition nodulation, Indigofera linnaei 8987.

Parthenoclesus cinquefolla, hosts, tobacco ringsport virus, tomato ringspot virus 3818.

Particulate pollution, microorganisms, aerosols, association, harvesting machinery, measuring techniques, mathematical models 3229.

Partition.

Acinetobacter calcoaceticus cells, growth characterization, hydrocarbons

Partition, (continued) metabolism 3006.

Parvovirus,

Parvovirus, chlorine disinfection, temperature effects on 6484. detection, immunoassays methodology, man 4157. Parvovirus H-1, inactivation, chlorine, characterization 475.

nactivation, contract transfer autor 475.

Parvovirus (porcine), infection, diagnosis, gel diffusion precipitin test, pigs 5879. vaccines production, oils emulsions, pigs 7487.

Paspalic acid,

elymoclavine, conversion, physicochemical properties, Claviceps 5252. Paspalum notatum, growth, soil, association, Fusarium oxysporum f.sp.niveum infestation, effects on

levels 3826. vesicular-arbuscular mycorrhizas sporulation, phosphate soil amendment induction 2134.

2134.

Passiflora edulis, 
isolation rhabdovirus like viruses 266.

Passive hemagglutination, 
comparison, fluorescent antibody test, serotyping, Campylobacter fetus

subsp. jejuni 3293.
methodology, coronavirus (bovine) detection, feces 5886.
Neisseria gonorrhoeae, ribosomes antigens, immunodiagnosis, gonorrhea, man 714 rotavirus (human) detection, feces 1552.
use, Cytomegalovirus binding erythrocytes, methodology 643.
Paaslve reverse hemaggiutination, comparison, enzyme-linked immunosorbent assay, sensitivity, specificity, hepatitis B surface antigen 7568. detection Staphylococcus enterotoxins, food contamination 7905.
methodology, duck plague virus detection, ducks 9277.
Pasteurelia.

Pasteurella, antibodies, detection, indirect hemagglutination 723.

antibodies, detection, indirect hemagglutination 723.

Pasteurella heamolytica,
antibiotic resistance, characterization 3011.
+ Clostridium, vaccines, sheep, efficacy, experimental infection, gnotobiotics
(specific pathogen free) 7488.
serotyping, indirect hemagglutination methodology 1631.

Pasteurella multocida,
antibiotic resistance, chlorination effects on, sewage isolates 6437.
antibodies, enzyme-linked immunosorbent assay, detection, chickens 5074.
fowl cholera, vaccination, enzyme-linked immunosorbent assay, indirect
hemagglutination, chickens 3343.
indole test 716.
media (selective) 2507

media (selective), isolation, pigs 5912. toxins, bioassays 8761. toxins, purification, characterization 7118. Pasteurella tularensis,

media (selective) 3357.

asteurization,
beverages, microorganisms contamination, cooling water 1913.
cheese, surnval. Staphylococcus aureus, Salmonella 1902.
digestion (anaerobic), sewage sludge, land disposal 2351.
milk, cold storage, spoilage, bacteria 1910.
milk, colf storage, spoilage, bacteria spoilage 6175.
oli, emulsions, antimicrobial activity, mathematical models, bacteria,
biodeterioration 1297, shelf life, seafood, Crassostrea virginica 8720.
speckaging, cold storage, shelf life, seafood, Crassostrea virginica 8720.
Susarium avenaceum 6301.
Susarium avenaceum 6301.
Solar radiation head treatments, water quirification, contamination, water

rusarium avenaceum o301.
solar radiation, heat treatments, water purification, contamination, water, methodology 3225.
steam, freezing, spoilage, Clostridium botulinum type E toxins production, seafood, Crassostrea virginica 5364.
Pasteurized milk, quality, heat treatments, storage conditions 8711.

Pasture,

Actinomycetes distribution, incidence, nematicides effects on 7295.
environment management, nutrient dynamics, soil microorganisms 8963.
Lolium perenne, canker infection, toxins production, Corynebacterium rathayi

Medicago, root rot, phytopathogenic fungi 6233. nitrogen cycle, soil microorganisms activity, New Zealand 7268. rhizosphere, nitrogenase activity, nitrogen-fixing bacteria, environmental factors 9018

soll microorganisms, biomass, biochemical characteristics, New Zealand 6346, soil structure, organic matter accumulation, soil microorganisms activity, fertilizer applications, armonium suffate 5640.

Patents,
Patents,
biotechnology 8508.
brewing, culture collections, microorganisms 6934.

Pathogens, airborne microorganisms, wastewater treatment 3186. antibacterial activity, cephalosporins 4818. bacteria, indicator species, population levels, water temperature, rivers, activaties, 4131.

estuaries 4131.

bactieria, microbial pollution, estuaries 6713.

bactieria, piants, hormones, mediation, tumorigenesis 8856.

bacteria, surveys, use biological control, Insecta 4390.

biological control, Bacillus sphaericus, Bacillus thuringieneis, Culicidae 1841.

biological control, dose-response effects, mortality, Culicinomyces clavisporus, Aedes aegypti 6911.

biological control, efficacy, persistance, ponds, Bacillus sphaericus, Culicidae 1814.

biological control, Hyphomycetes, Ostrinia nubilaliis 6909. biological control, Mansoma unformis, Bacillus thuringiensis 123. biological control, nuclear polyhedrosis vinus propagation, association, biological control, vi

Pathogens, (continued)
Metarhizium anisopilae 6910.
biological control, persistance, recycling, growth, Bacillus sphaericus,
Culicidae 6920.

Culicidae 6920.

biological control, pests, nuclear polyhedrosis virus, experimental infection, mammalian cells, Mammalia 6896.

biological control, production, formulation, Bacillus sphaericus, Culicidae 6897.

biological control, snow pools, Bacillus thuringiensis, Aedes, USA, Michigan 6919.

6919.

carcasses disposal, environmental hygiene 2360.

Coelomomyces psorophorae, host range, use biological control, Culicidae 4395.

contamination, medicine containers, nosocomial environments 1503.

disease control, design, laboratories 1523.

disease bransmission, disease control, occupational hazards, laboratories 1522.

disinfection, sewage studge, environmental hygiene 2365.

disinfection, wastewater treatment 550.

diffacts on hamplumph agrids, larges, Spodosters litteralis, Recilius.

effects on hemolymph amino acids, larvae, Spodoptera littoralis, Bacillus thuringiensis 6912.

Entomophthora planchoniana, biological control, orchards, Italy, Corylobium avellanae 5234.

Entomophthora planchoniana, biological control, orchards, Italy, Corylobium aveilianae 5234.
epidemiology, ecosystem management, biological control, weed control 3894.
Erynia aqualica, pathogenicity, biological control, Aedes cantator 2665.
Erynia neoaphidis, biological control, field trials, Sitophilus avenae, Metopolophium dinodum 5229.
exposure time effects on mortality, recovery, Bacillus thuringiensis, Choristoneura 3555.
foliar applications, efficacy, persistence, biological control, Bacillus thuringiensis, Choristoneura fumiferana 3556.
fungl, antigens extracts, thimerosal, formaldehyde, disinfection, clinical microbiology 810.
fungl, Rhizobium japonicum growth, Glycine max, pesticides effects on 1212.
growth, comparison bacteria contamination, biolod culture 3352.
hospitals wastes, sanitation, waste disposal 1520.
hospitals wastes, sanitation, waste disposal 1520.
hospitals wastes, sanitation, waste disposal 1520.
hospitals wastes, sewage sludge 6389.
inactivation, composting, sewage sludge, composting 5440.
integrated control, weed control 3898.
solation, culture, Entomophihora gammae, Pseudoplusia includens 6088.
Lagenidium giganteum, biological control, cluicidae, aquatic environment 130.
Lagenidium giganteum, biological control, cluicidae, aquatic environment 130.
Lagenidium giganteum, biological control, susceptibility, Chaoborus flavicans microbial pollution, water analysis, reviews, bibliographies 4946.

56203. microbial pollution, water analysis, reviews, bibliographies 4946. Micrococcus pseudoflaccidflex, biological control, larvae, Lymantria dispar 5260. Nomuraea rileyi, virulence, contida, biological control, Trichopusia ni 6900. nuclear polyhedrosis virus, biological control, Rachipiusia nu, Rachipiusia ou 2659.

nuclear polyhedrosis virus, Tipula iridescent virus, bacteria, natural enemies

surveys, use, biological control, Tipula paludosa 2662: plant diseases, bacteria, identification 3779; plant diseases, biological control, bacteria, lungi, plant viruses 4231, plant diseases, check lists, phytopathogenic fungi, plant viruses 4319. Brunei, books 7640.

Brunel, books 7640.

Plant diseases, pollution effects, acid rain 7920.

plants, biological control, books 844.

plants, biological control, books 844.

plants roots, fungi, interaction, endomycorrhizas, reviews 392.

plants roots, fungi, interaction, ectomycorrhizas, reviews 393.

propagation, biological control, whey recycling methodology, insecta, Bacillus thuringiensis, 8-toxin 6899.

thuringiensis, 8-toxin 6899.
reduction, Fusarium oxysporum, Corynebacterium michiganense, digestion (anaerobic), agricultural wastes 8390.
safety regulations, weed control, biological control 3897.
Salmonella, pollution control, sewage studge, digestion (anaerobic) 2368.
Serrata marcescens, Pseudomonas aeruginosa, biological control, toxicity, Solenopsis irciteta, Solenopsis irciteta, Solenopsis irciteta, 5257.
traveller's diarrhea, media (transport), isolation, methodology 9309.
viruses, Escherichia coli, public health, sewage studge, land disposal 2367.
waste disposal, hospitals, environmental hygiene 2359.
weed control, biological control 3889.
Pstulin,
biosynthesis, Bysspchilamus place.

Patulin,
biosynthesis, Byssochlamys nivea, biomass, factors affecting 6207.
biosynthesis, manganese, nutrient requirements, media (culture), Penicillium urticae 5796.
detection, apples, fruit juices, fruit concentrates, screening, gas chromatography, methodology 709.
detection, apples, fruit juices, fruit concentrates, screening, gas chromatography, methodology 709.
detections of the concentrates of the

PCB,

biodegradation, fungi, bacteria, reviews 7827. biodegradation, soil microorganisms 8976. sorption, microorganisms, soil 388. PCNB,

disease control, root rot, Ficus benjamina 8916.

olisease control, rout for, recus benjamina certi.

Pea leaf roll virus,
infection, inhibition, reproduction, yield, Vicia faba 7938.
disease transmission, Lens culinaris 4500.

Deenut mottle virus, infection, disease resistance, Arachis hypogaea cultivars germplasm 8061, seeds infection, enzyme-linked immunosorbent assay screening, transmission (seed), Arachis hypogaea 8769.

Peanut stunt virus, enzyme-linked immunosorbent assay detection 7927.

Pearuta,
aflatoxins food contamination, factors affecting production, reviews 7052.
contamination, aflatoxin B1, aflatoxin B2, gas chromatography, mass spectroscopy

detection, Aspergillus flavus, aflatoxins 1078.

Peanuts, (continued)

flour, ammonium hydroxide, effects on, extraction, cooking, aflatoxins 3749. floud contamination, aflatoxins, analysis, thin-layer chromatography, comparison, liquid chromatography 8731.

liquid chromatography 8731. food contamination, liquid chromatography 8729. lignin, bacteria biodegradation 177. meals, aflatoxins food contamination, decontamination methodology use methylamine-calcium hydroxide 7097. meals, detection aflatoxins food contamination, methodology comparison 7066.

Peat.

acetylene reduction, nitrogen fixation, ethylene release, Finland 4651, aerobic bacteria hydrolysis, digestion (anaerobic), methanogenesis, bioreactors, methanogenic bacteria 7303.

methanogenic bacteria 7303.

digestion (anaerobic), methanogenesis, reviews 8273.

extracts, antibacterial activity, Escherichia coli 7367.

filtration, wastewater treatment, identification, fungi 7494.

hydrolysates, biomass, single-cell protein, production, sodium chloride, humic acids effects on, Candidat tropicalis 8809.

hydrolysates, fermentation, ethanol production, yeasts 6930.

hydrolysates, growth factors, single-cell protein production, Candida utilis 8808.

hydrolysates, media. Aureobasidium pullulians, bullulan biosynthesis optimizati

hydrolysates, media, Aureobasidium pullulans, pullulan biosynthesis optimization 6055.

6055. hydrolysates, production, biomass, single-cell protein, conferences, fungi 7645. inoculum, Rhizobium phaseoli, survival 406, inoculum, Rhizobium phaseoli, survival 406, methanogenesis, temperature effects on 8264. single-cell protein, media (culture), production, biomass, single-cell protein, Aganicus campestris, Morchella esculenta 6807. soli inoculum, carbothydrates effects on Rhizobium 4642. use, deodorization industrial poliution 9232.

Peatlands.

actinorrhizas nitrogen fixation, litter decomposition, nitrogen cycle, Myrica gale 8244.

microorganisms, biodegradation, physicochemical properties 2152.

nitrogen-fixing bacteria, actinorrhizas, nitrogen fixation, seasonal variations,
Myrica gale 9001.

organic matter decomposition, microorganisms, biogeochemistry, nutrient dynamics,
reviews 7254.

reviews 7254. Pectate Iyase, physicochemical properties, Pseudomonas solanacearum 8611. spirochaetes, isolates 6824. Pectin, growth, Saccharomycopsis fibuliger, biodegradation, waste treatment 7831. pectinesterase catalysis, Trichoderma 8595.

Petchi lyses, isolation, purification, chromatography, isoelectric focusing, Penicillium oxalicum 7720, production, Colletotrichum lindemuthianum 5185, production, continuous culture, Aspergillus niger 8601.

Pectin-degrading bacteria, coffee fermentation 5324.

coffee fermentation 324.

Peotinase, biodegradation, Daucus carota 8538.

Peotinesterase, activity, cell culture, Xanthomonas malvacearum 3516. catalysis, pectin, Trichoderma 8595. production, continuous culture, Aspergillus niger 8601. purification, characterization, Aspergillus oryzae 6862. anirochaptate inglatas 6824.

spirochaetes, isolates 6824 Pectiniyase, purification, characterization, Aspergillus oryzae 6862.

pornication, characterization, Asperginus oryzare osocz.

ectinolytic enzymes,
activity, cell culture, Xanthomonas malvacearum 3516.
activity, temperature, pH effects on, Clostridium pectinofermentans 7737.
activity, Tetrachaetum elegans, biodegradation, Alnus leaves, calcium
concentration effects on 1002.

concentration effects on 1002. applications, food industry, reviews, microorganisms 2598. Botrytis fabae chocolate spot, Vicia faba 3794. Characterization, Clostridium petinofermentans 4348. Erwinia carotovora, retting, bark, Broussonetta kazinoki 7680. isoenzymes, isolation, purification, chromatography, isoelectric focusing, Peniciliium oxalicum 7720.

Pencilium oxalicum 7720. 
microorganisms, cleaning, membranes, filtration, industrial water systems 57. 
microorganisms, crop residues conversion, sitage, fermentation 213. 
nutrition, Klebsiella pneumoniae, wood decay 4423. 
production, agricultural wastes, Aspergillus niger 8605. 
production, Aspergillus niger, use pulp, Agave fourcroydes 5189. 
production, continuous culture, Aspergillus niger 8601. 
production, factors affecting, Aspergillus awamori 8606. 
production, liquid culture, inoculum levels effects on, Aspergillus alliaceus 4352.

4352. production, Phoma exigua seed rot, Vigna radiata 3797. spirochaetes, isolates 6824. wine, microorganisms 164.

wine, microorganisms 164.

Pectinophora gossypiella,
biological control, toxicity, 8-endotoxin, Bacillus thuringiensis 5247.

Pedlatrics,
antibiotics, drugs, antimicrobial activity, clinical trials, pharmacokinetics,
pharmacology, reviews 5942.
in vitro, erythromycin, lincomycin, clindamycin, antibacterial activity, reviews
5792

metronidazole, antibacterial activity, clinical trials, pharmacokinetics, reviews

proteolytic enzymes characterization, role, milk products production, reviews 96. starter cultures, aroma, sausages 7858.

Pediococcus acidilactici, formentative sites. fermentation, silage production, industrial wastes, fishery products 2753 fermented food 6189.

termented food 6199.

Pediococcue cerevissee,
fermentation, julices proteins, Medicago sativa 3722.

Pediococcue cerevisiae,
fermentation, meast, soybeans, com, effects on amino acid composition 5357.
fermentation, regetables, dialysis, continuous culture 2740.

Pediococcue halophilus,
fermented food 6189.

Pediococcus pentosaceus, fermented food 6189.

Pedogenesis, rhizosphere microorganisms, interspecific relationships 394.

Pedgenesis, 
rhizosphere microorganisms, interspecific relationships 394.

Peganum harmala, 
tssue culture, artimicrobial activity, antimicrobial agents, Staphylococcus 
aureus, Escherichia coli, Candida albicans 8336.

Pekilo process, 
Paeciomyces varioti, feeds, chickens, nutritive value 7103. 
sulfitie liquor fermentation, single-cell protein production, monitoring, computer 
applications, Paecilomyces varioti 5968. 
sulfitie liquor, single-cell protein production, biomass measurements, 
Paeciomyces varioti 5965.

Pelargonic actid, 
metabolism, biotin derivatives biosynthesis, Pseudomonas 4393. 
Pelargonium, 
growth, association, phosphorus, Glomus fasciculatum, enhancement 2943. 
growth, Glomus fasciculatum, enhancement 2944. 
plant diseases, tombusvirus 4540. 
Pelargonium hortorum, 
Pseudomonas cichorii inoculation, spot pathogenesis 4537. 
Pelleting, 
calcium oxide, Trifolium repens, Medicago sativa, Rhizobium nodules survival 
association 2950. 
com, feeds, propionic acid, preservatives, effects on fungi, contamination 7884. 
Pellicularia filamentosa, 
ricotine biodegradation 1890. 
Penams, 
derivatives. antibacterial activity, structure-activity relationship, inhibition,

nicotine Diodegradauur 1000.
Penams,
derivatives, antibacterial activity, structure-activity relationship, inhibition,
β-lactamase 6532.
derivatives, synthesis 6536.
synthesis, borazylpenicillin 6537.
Penicillic acid,
indicatoria angles, India 7090.

enicillic acid, incidence, apples, India 7090. enicillin, administration association, Staphylococcus aureus peptidoglycans detection, enzyme-linked immunosorbent assay methodology 3344. analogs enzymatic synthesis. 6-(L-carbowmethyloysteinyl)-L-cysteinyl-D-valine substrates, Streptomyces clavuligerus 5776. antibacterial activity, Bacteroides melaninogenicus protection, role, facultative bacteria β-lactamase production 5775. antibacterial activity, Staphylococcus, Streptococcus, cow's milk, correlation, mastitis, disease control, cattle 5773. antibacterial activity, Streptococcus group B 8361. antibiotic resistance, β-lactamase production, oral cavity clinical isolates 7334.

artibiotic resistance, β-lactamase production, oral cavity clinical isolates 7334, antibiotic resistance, animal isolates, mastitis, Streptococcus agalactiae, Staphytococcus aureus, Streptococcus 9083, antibiotic resistance, antibacterial activity, cefuroxime, cefotaxime, Staphylococcus aureus, Staphylococcus epidermicis 4826, antibiotic resistance, association, β-lactamase, clinical isolates, Streptococcus faccalis 7326, antibiotic resistance, Bactors transfer, Staphylococcus aureus 9044, antibiotic resistance, β factors transfer, Staphylococcus aureus, mice animal isolates 443.

antibiotic resistance. Streptococcus pneumoniae, clinical isolates, USA, Colorado

antibiotic resistance, Streptococcus pneumoniae, methicillin, quality control,

antibiotic resistance, Streptococcus pneumoniae, methicillin, quality control, chinical microbiology 4688, artibiotic sensitivity testing, Bacteroides nodosus 3056. artibiotic sensitivity testing, Neisseria gonorrhoeae 4804. artibiotic sensitivity testing, Pseudomonas aeruginosa, clinical isolates 7416. artibiotic sensitivity testing, Pseudomonas aeruginosa, clinical isolates 7416. artibiotic symergiam, gentamicin, Bacteroides melaninogenicus, Bacteroides fragilis 3118. artibiotic symergiam, gentamicin, Bacteroides melaninogenicus, Bacteroides fragilis 319. artibiotic symergiam, streptomycin, Streptococcus antibiotic resistance 444. antibiotic tolerance, Streptococcus group B 7317. artibiotic tolerance, Streptococcus group B 7317. artibiotic tolerance, Streptococcus, methodology 435. binding, blood vessels prosthetics, storage effects on antibacterial activity 2418.

Diosynthesis, genes, linkage analysis, protoplast fusion, Aspergillus nidulans, Aspergillus rugulosus 4047. Stosynthesis, isopenicillis N synthetase, Cephalosporium acremonium 9195. biosynthesis, models, isothiazolidinone conversion, β-lactam antibiotics 6530.

Seases, included in the conversion, p-ractain ambibilities of the conversion β-lactam ambibilities of 529 blosynthesis, models, 3-phenylthiopropionamide conversion β-lactam antibiotics 6529 blosynthesis, h-nitrosomethyl biuret mutagenesis, conidia, Penicillium chrysogenum 2268. blosynthesis pathway, stopenicillin N synthetase, Cephalosporium acremonium 6519. blosynthesis pathway, stopenicillin N synthesis porture acremonium 6519. blosynthesis pathway, stopenicillium chrysogenum 4049. Cephalosporium acremonium, sulfur analogs, synthesis 8353. Cephalosporium acremonium, sulfur analogs, synthesis 8353. Costratium pertringens drug sensitivity testing 3085. comparison vancomycin, prophylaxis, bacteria contamination, viruses isolation cell culture 1557. detection, cow's milk, Bacillus stearothermophilus agar diffusion test 7437. +EDTA-tromethamine, antbacterial activity, gram-positive bacteria 4816. femmentation, fermenters, dissolved oxygen, aeration, immobilized cells, Penicillium chrysogenum 7435. fermentation, Penicillium chrysogenum 7435.

4833
leukocytes (polymorphonuclear) penetration, antibacterial activity, man 492. lysis, Streptococcus faecium, triton X-100, resistance 8352. Penicilium chrysogenum, fermentation, fermenters 4832. production, fermenters 4044. production, fermenters 4044. production, Penicililium chrysogenum, computer applications 2269. production, Penicililium mycelia growth, microbeads, fermenters 2270. resistance, anaerobic bacteria 432. resistance, media (culture), Neisseria gonorrhoeae 718. sensitivty, Bradyrhizobium japonicum nodulation, Glycine max roots 5655. stimulation IMP biosynthesis, Brevibacterium ammoniagenes 115.

Penicillin, (continued)
stimulation IMP biosynthesis, Brevibacterium ammoniagenes 952.
Streptococcus group B susceptibility 1381.
Streptococcus, tolerance, screening methodology 1308.
Penicillin especial penicipal pe

biorieactors 6531.

biosynthesis screening, bacteria isolation methodology 33.

DNA, plasmids, transformation, Bacilius megaterium, production 95.

extraction methodology, Escherichia coli 893.

immobilized enzymes, dithioglycol, dithiothreitol stabilization 74.

immobilized enzymes, production, proliciliins, cephalosporins 4045.

synthesis pericillins, cephalosporins, Kluyvera citrophila, Pseudomonas melanogenum 505.

use, Escherichia coli immobilization, polymers substrates 778.

anticillin G.

use, Eschericha con miniodization, polyners subsides 7/6.

Perilcillin G.,

antibotic resistance, clinical isolates, Streptococcus pneumoniae 9153.

antibiotic resistance, clinical isolates, Staphylococcus aureus 2199.

antibiotic sensitivity testing, Bacteroides 9159.

antibiotic synergism, gentamich, bacteroided activity, Streptococcus group G.

/42.23. biosynthesis, nutrient concentrations, immobilized cells, carrageenans supports, Penicillium chrysogenum 4048. biosynthesis, 6-aminopenicillanic acid-acyltransferase kinetics, Penicillium chrysogenum 3490.

leukocytes (polymorphonuclear) penetration, antibacterial activity, man 492. mass spectroscopy 2267. sterilization, radiation 1378.

Penicillin N.

sterilization, radiation 1378.

Penicillin M, biosynthesis pathway, mutants, Streptomyces griseus subsp.cryophilus 4837.

Penicillin V, biosynthesis, 6-aminopenicilanic acid-acyltransferase kinetics, Penicillium chrysogenum 3490.

high-performance liquid chromatography 1395.

precursors, electrochemistry detection, fermentation 1396.

Penicillin-binding protein, affinity role, elactram antibiotics resistance, ampicillin, Haemophilus influenzae 7338.

antibiotic resistance, ampicillin, Haemophilus influenzae 7338.

Bacillus megaterium, nocardicin A interaction, elongation inhibition 1397.

characterization, Streptococcus vindrans, clinical isolates, β-lactam antibiotics, antibiotic resistance 428.

electrophoresis, Escherichia coli 3441.

Escherichia coli, Pseudomonas aeruginosa, binding, aminobenzyl-penicillin apacillin, characterization 7492.

isolation, Staphylococcus aureus 510.

purification, characterization, Caulobacter crescentus 2559.

Penicilline, Chierophyta, Rhodophyta, marine environment, effects on, Staphylococcus aureus, Escherichia coli 8305.

Penicilline, antibacterial activity 2264.

antibacterial activity 2264.

antibacterial activity 510. antibacterial activity 2264. antibacterial activity, correlation, β-lactamase, biosynthesis, inducers, Enterobacteriaceae 2261. antibacterial activity, gram-negative bacilli 3086. antibacterial activity, gram-negative bacilli 3086. antibacterial activity, use 4817. antibiotic resistance, cross-resistance, cephalosporins, Enterobacter, Klebsiella, Pseudomonas aeruginosa 7352. apaicillin, antibacterial activity 4840. biorlini, Ivszyme 8194.

apalcillin, antibacterial activity 4840. binding, lysozyme 9194. biosynthesis pathway, bacteria 491. Citrobacter freundi resistance, incidence 6416. derivatives, synthesis 6533. Palcatamase hydrolysis, kinetics, Bacilius cereus 4279. production, immobilized enzymes, penicillin amidase 4045. synthesis, Penicillin amidase, Kluyvera citrophila, Pseudomonas melanogenum 505. synthetics, Etaphylococcus, antibiotic resistance, methodology 3015. thiol broth, inactivation 512. Penicillium,

thiol broth, inactivation 512. 

\*\*PerincIllium, acid phosphatase, linhibitors production 917. 
arid phosphatase, alkaline phosphatase, inhibitors production 917. 
aribacterial activity, Streptomyces variegatus sp.nov. 

aribacterial activity, nematicides 1325. 
biodelerioration, postal stamps paper 3649. 
biodelerioration, wool, control, biocides 1288. 
cellulolytic enzymes activity 6871. 
chickens feeds mycoffora, storage conditions effects on 7094. 
classification, association, mycotoxins 1925. 
composts, suppression, damping-off, Rhizoctonia solani, Raphanus sativus 290. 
contamination, Irrigating solution 5869. 
conts contamination, Irrigating solution 5869. 
corts contamination, arigating solution 5870. 
crop residues biodegradation, Bacillus polymyxa symbiosis activity 3673. 

croyclopiazionic acid production 5370. 
detection, oxidase extracellular enzymes 1799. 
etxtracellular enzymes, polyamine oxidase, acetylployamines oxidation 932. 
fermenters, peniciliin production 4044. 
fluoride solubilization, use decontamination, soli pollution 7258. 
flood contamination, cheese, mycotoxins detection, identification 7080. 
flood contamination, cron, toxins production, water content, temperature, 
propionic acid, effects on 2749. 
growth, contamination, taints production, corks, wine 7798.

Penicillium, (continued) \*\*Bricellium\*\*, (continued)
hypersensitive response, seasonal variations, Pinus ponderosa 8193.
isolation, identification, Hordeum vulgaro grain storage 7197.
marine environment isolates, biodegradation, oil 7310.
mycelia growth, microbeads, fermenters, penicillin production 2270.
mycelia growth, microbeads, fermenters, penicillin production, fermentation 7484.
post-larivest decay, lemons, disease control 1167.
roquefortine biosynthesis 7888.
rubratoxin B., detection animals feeds, use, thin-layer chromatography, methodology, factors affecting 7054.
single-cell protein production, fermentation, starch residues, food industry 1713.
soll isolates, population dynamics, hydrolase natems 6710.

17/13, soil isolates, population dynamics, hydrolase patterns 6319, soil microorganisms, aluminum phosphate utilization, phosphorus sources 2151. starter cultures, meat products 7840. Trichoderma reseal, Thielavia terrestris, sporotrichum cellulophilum, cellulase, physicochemical properties, comparison 6008. viomellein, contamination, Hordeum vulgare, nephropathy, pigs 224. deutranase, biosynthesis, characterization 7741. Penicillium antidase, purification, characterization, immobilization, Escherichia coli 3512. Penicillium bilali, ili cycle, spore germination, conidia, soil 8959. Penicillium brefedianum, brefeldin A biosynthesis, comparison fatty acids biosynthesis, stereochemistry 8378.

Penicillium brefedianum, brefedianum, brefedian A biosynthesis, comparison fatty acids biosynthesis, stereochemistry 8378.

Penicillium brefedianum, growth, heterotrophy, acid rain effects on, soil 2940.

Penicillium brevicompactum, ribonuclease (pancreatic), kinetics, structure-activity relationships, substrate specificity 5152.

Penicillium camemberti, riteraction, surfaces microflora, aroma compounds, role ripening, Camembert cheese 6186.

Penicillium caseleolum, fermentation, soybean milk curd, bromelain coagulants 7852.

Penicillium chrysogenum, 6-aminopenicilianic acid production 4050.
6-aminopenicilianic acid production 4050.
6-aminopenicilianic acid-acytiransferase, purification, kinetics, peniciliin G, peniciliin y v, biosynthesis 3490.

benzylpenicilian production, industrial applications 9171.

conidia, mutagenesis, N-nitrosomethyl biuret, penicillin biosynthesis 2268. immobilized cells, carrageenans supports, penicillin G biosynthesis, nutrient concentrations 4048. immobilized cells, carrageenans supports, penicillin G biosynthesis, nutrient concentrations 4048. immobilized cells, carrageenans capitalosporanic acid 9183. penicillin formentation, automated methods, monitoring, fermenters 4833. penicillin fermentation, automated methods, monitoring, fermenters 4833. penicillin fermentation, automated methods, monitoring, fermenters 4833. penicillin fermentation, fermenters 4832. penicillin fermentation, computer applications 2269.

Penicillium under trinum, antfungal activity, structure-activity relationships, Cassia garrettiana 7384.

antifungal activity, structure-activity relationships, Cassia garrettiana, wood extracts, Cassia garrettiana 7384. compactin hydroxylation 518. hyphae staining, fluorescein diacetate, soil 8983. mycotoxins, feeds contamination, feeding behavior, chickens 7898.

spoilage, coconut 5344. endonuclease S1 immobilized enzymes, β-(sulfatoethylsulfonyl) analine

cross-linkage 81

Penicilium commune, single-cell protein, mycelia binding, bile acids 7675. Penicilium corytophilum, contamination, biodegradation, fuels, heat treatments, control 1296. growth conditions, meat, food contamination 6193.

growth conditions, meat, tood contamination 1193.

enticillium crustosum, mycotoxins, food contamination, Zea mays, intoxication, cattle 6205. penitrem A biosynthesis 4471.
penitrem, structure 4469.
penitrems, structure 4470.
violenellein, contamination, Hordeum vulgare, nephropathy, pigs 224.

Viorneilein, contamination, moteum violgare, reprincipanty, pigs 224.

Penticillium cyclopium,
shake culture, glass containers silicone coatings effects on adherence 835.
viornellein, contamination, Hordeum vulgare, nephropathy, pigs 224.

Penticillium daleae,

Penicillium daleae,
Ifie cycle, spore germination, conidia, soil 8959.
Penicillium digitatum,
antimicrobial activity, urethanes derivatives 1436.
benzimidazoles resistance, post-harvest decay, oranges 2901.
ethylene production, fermentation, use, Citrus wastes 979.
green mold, post-harvest decay, cross-resistance, guazatine, benomyl 2200.
green mold, post-harvest decay, oranges, disease control, fungicides 5470.
post-harvest decay, emons, disease control 1167.
post-harvest decay, temons, disease control 1167.
post-harvest decay, suppression phenylalanine derivatives control 2821.
post-harvest decay, suppression phenylalanine ammonia-lyase activity, grapefruits 2048.

2048

Penicillium diversum -diversonolic acid, β-diversonolic acid, structure, biosynthesis 3421.

a-diversonoic acid, 3-diversonoic acid, shouture, biosynthesis 3-2.1.

Penticillium duportil,
proteinase, immobilized enzymes, proteins hydrolysis, crop residues, mathematical
models, bioreactors 3475.

Penticillium expansum,
post-harvest decay, calcium, treatment, apples, effects on 3850.

Penticillium frequentans,
imide angulation, when publicent sources 7788.

Penicillium funiculosum, cellulase, hydroxis, ignocelluloses 3484. extracellular β-D-glucosidase production liquid culture 919. β-D-glucosidase, endo-1,3-β-D-xylanase, immobilized enzymes, kinetics,

Penicillium funiculosum, (continued)
polymers solubility 5134.
P-0-glucosidase hydrolysis cellulose 877.
infection, Ananas comosus, factors affecting pathogenesis 8834.
U.Y. radiation, mutagenesis, cellulase production, nutrient requirements 8532.
Penicillium Islandicum,

production, islandic acid, effects on Yoshida sarcoma cells growth, phage M2 DNA transfection 9120 Penicillium Italicum,

production, isations acid, effects on Yoshida sarcoma cells growth, phage M2 Dit transfection 9120.

Penicillium Italicum, benzimidazoles resistance, post-harvest decay, oranges 2901. post-harvest decay, lemons, disease control 1167. post-harvest decay, lemons, disease control 1167. post-harvest decay, oranges susceptibility, ethylene treatment 3853. resistance, antifungal activity, dicarboximides 8296.

Penicillium janthinelium, antibodants production, structure, fermentation 4397. application, purification, characterization 7750.

Penicillium melasgrinus, purification, characterization 2616.

Penicillium multicolor, G-D-p-bromobenzoylmeleagrin, X-ray crystaliography 8375.

Penicillium multicolor, G-P-p-bromobenzoylmeleagrin, X-ray crystaliography 8375.

Penicillium multicolor, G-P-p-bromobenzoylmeleagrin, X-ray crystaliography 8375.

Penicillium multicolor, G-P-p-bromobenzoylmeleagrin, X-ray crystaliography 8375.

Penicillium notatium, lysophospholipase isoenzymes, C.D., fluorescence 7685.

Penicillium cvalicum, antifungal activity, 1-(hydroxymethyl)-2,1-benzisoxazol-3(1H)-one analogs 9140. infection, Solanaceae, oxalic acid levels 6281. polygalacturonase isoenzymes, pectin lyase, isolation, purification, chromatography, isoelectric focusing 7720. seed treatments, biological control, Pythium ultimum, damping-off, seed rot, Cicer arientum 8114.

Penicillium patulum, griseofulvin production, industrial applications 9171.

Penicillium requierom, fermentation, tubers extracts, saponins purification, Ficaria ranunculoides 5222.

Penicillium steckil, cell walls degradation enzymes, cocoa beans biodeterioration association 2823.

Penicillium unticae, immobilized cells, proteins contents, methodology 5931.

immobilized cells, patulin production, nitrogen sources 2757.
immobilized cells, proteins contents, methodology 5931.
patulin biosynthesis, manganese, nutrient requirements, media (culture) 5796.
renicillium variabile,
biodegradation, rubber polymers 3646.
renicillium virdicatum,
bariey contamination, production, ochratoxin A, citrinin 5375.
viomellein, contamination, Hordeum vulgare, nephropathy, pigs 224.
renicillium vitale,
glucose oxidase, immobilization, effects on activity, etability, 7749. glucose oxidase, immobilization, effects on activity, stability 7743.

enicilioic acids, mass spectroscopy 4831

Penitrem, structure, Penicillium crustosum 4469.

Penitrem A, biosynthes sis, Penicillium crustosum 4471. Penitrems,

structure, Penicillium crustosum 4470.

Pennisetum,

renniserum, nitrogen fixation, inoculation, Azospirillum brasilense 5661.
renniserum americanum, disease resistance plant breeding, phytopathogenic fungi 8894. downy mildew, host-pathogen interactions, Scierospora gramini

downy mildew, host-pathogen influence variations 5431. aminicola, geographical

variations 5431
downy mildew, host-pathogen interactions, strains compatibility, sexual reproduction, geographical variations, Scierospora graminicola 7973, downy mildew, Scierospora graminicola, disease control, foliar applications, metalaxyl 8137, ergot, Claviceps fuerimis, morphology, pathogenesis 3829, ergot, disease control, pollen management 1990, ergot, disease control, pollen management 1990, in the second second production of the sec

Actors 9015.

Pannisetum ktpholdes,
downy mildew, Selferospora graminicola, host-pathogen interactions, pathogenicity,
isolates comparison, Africa, Asia 2796.

Pennisetum typholdes,
Claviceps microcephala ergotism incidence, atmospheric conditions effects on

9427.

Pennisetum typholdeum,
yield, Azospirillum brasilense, nitrogen fixation, inoculation 2963.

Pentachlorophenol,
biodegradation, bacteria, role, wastewater treatment 1035.
biodegradation, industrial wastes, bacteria, fungi 3677.
containing synthetic wastes, activated sludge waste treatment, use, Arthrobacter

559.
industrial effluents, wastewater treatment 556.
wood preservatives, inhibition decay fungi, buildings 7242.
2,3-Pentandione,
flavor compounds, biosynthesis, isoleucine-valine operon, gene regulation,
cloning, Saccharomyces cerevisiae 7797.
Pentzidone
Mudalenine antibardenial artivity 6454.

+fludalanine, antibacterial activity 6454.

+fludalarine, antibacterial activity 6454.

Pentoses,
conversion, production, acetone, butanol, bacteria 3598.
conversion, 2,3-butanediol production, Klebsiella pneumoniae 3597.

Pentoxtfylline,
metabolites, delection, extracts, fungi, bacteria, thin-layer chromatography,
high-performance liquid chromatography 8433.

Pepper mild mottle virus,
intection, Capsicum annuum, pepper mottle virus disease resistance, new records

4566

Pepper mottle virus

disease resistance, Capsicum annuum, pepper mild mottle virus infection, new records 4566

records 4506.
disease resistance, plant breeding, cultivars, Capsicum annuum 8909.
infection, Capsicum, identification 8828.
Peptide antibiotics,
antibiotic AN-1, production, isolation, characterization, Streptomyces albus

antibiotic AN-7, production, isolation, characterization, Streptomyces

antibolice 74, production, isolation, cnaracterization, Streptomyces gireoincarnatus 4661. ganbiolice 74, Myxococcus xanthus, biosynthesis, amino acids precursors 1421. biosynthesis, production, use, immobilized cells, immobilized enzymes, reviews 1410.

1410. complexes, echinomycin+triostin A, Streptomyces iverini 4058. leucinostatin, separation, characterization, Paecilomyces illadinus 3144. nikkomycin biosynthesis, mulants, Streptomyces tendae 4065. purfication, characterization, Lactobacillus acidophilus 4790. Staphylococcus epidermidis, biosynthesis, purfication, biological properties

2200.
Synthesis, immobilized enzymes 4795.
Peptide mapping, purification, characterization, glycocyaminase, comparison, Pseudomonas aeruginosa, Pseudomonas 4290.

aeruginosa, Pseudomonas 4290.

Psptide syntheels,
antamanide analogs, radioactive labelling, Amanita phalloides 7664,
antigens, use antiviral agents 4888.
carboxypeptidase Y immobilized enzymes applications, yeasts 63.
gramicdin A, C.D., N.M.R. 3141,
lactam analogs, toxins, Alternaria maii 3736.
Plactam antibiotics, analogs 4867.
nikkomycin N-terminus, use amino acids synthesis, Streptomyces tendae 8377.
proteinase, Streptomyces cellulosae 7688.
toxins, Amanita virosa 7906.
Vibrio cholerae toxins, toxoids conjugate, antisera production, vaccines 4078.
Paptides,
active sites, fatty acid synthetase, amino acid sequence, Cephalosporium

Protoconoreae toxins, toxicids conjugate, antisera production, vaccines 4078. 

\*\*peptide\*\*, active sites, fatty acid synthetase, amino acid sequence, Cephalosporium caerulens, comparison, Saccharomyces cerevisiae 8529. 

analoges, amibacterial activity, Escherichia coli uptake 2210. 

conversion, synthesis, 6-lactam antibiotica 6581. 

"Huorophenyialanine containing, transport, antifungal activity, Candida Mycobacterium paratuberculosis protoplagem, enzyme-linked immunosorbent assay methodology, paratuberculosis diagnosis, catife 4185. 

Phytotoxins, ambibotics, antibacterial activity, antifungal activity, structure, Paecilomyces marquandii 8742. 

synthetic, ambibodies specificity vaccines, hepatitis B surface antigen 6617. 

synthetic, Corynebacterium diphtheriae toxins, Streptococcus, hepatitis B surface antigen 6619. 

synthetic, patimitic acid carriers, antibody response, unice 9219. 

synthetic, malmitic acid carriers, antibody response, mice 9219. 

synthetic, vaccines production, antigenicity, foot-and-mouth disease virus, 

cattle 6659. 

transport, plasma membranes, Streptococcus cremoris, proteinase localization,

synthetic vaccines production, antigenitory, incharacteristical disease virus, cattle 6659.

transport, plasma membranes, Streptococcus cremoris, proteinase localization, proteolysis, milk 1747.

Peptidoglycan endopeptidase, assays, peptidoglycans biosynthesis, Escherichia coli 3538.

Peptidoglycans, biosynthesis, peptidoglycan endopeptidase, assays, Escherichia coli 3538.

Clostridium saccharoperbutylacetonicum, cell walls, Bacillus subtilis, lytic enzymes, enzymatic activity 5994.

precursors, bioaccumulation, streptomycin production, Streptomyces griseus 4847.

Staphylococcus aureus, detection, enzyme-linked immunosorbent assay methodology, penicillin administration association 3344.

Peptidoglycoliptids, chemical composition, Pseudomonas aeruginosa 966.

Peptidy'd lipeptidase A, activity, aspergillomarasmine A, aspergillomarasmine B inhibition, Aspergillus ovyzae 3734.

benzolactams inhibition 2306.

Peptidy'd transferase,

Peptidyl transferase, antibacterial activity, sparsomycin analogs, Escherichia coli 4740.

Peptona, biodegradation, metabolism, activated sludge 6706.

biodegradation, metabolism, activated sludge 6706.

Peptoatreptotococus,
pectinolytic enzymes, isolates 6824.

Peptoatreptotococus anaeroblus,
hypothiocyanite+hydrogen peroxide, bactericidal activity, cytotoxicity 6445.

Peracetic acid,
bactericidal activity, pH effects on, spores, Bacillus subtilis 7550.
disinfection, sewage effluents, enterovirus, rotavirus, phages 6695.
effects on, Trichoderms viride, cellulase, hydrolysis, cellulose 188.
synergism, chlorine, disinfection, sewage effluents, poliovirus 1 6694.

Peracide, Peracide, antiviral activity, viruses inactivation 470

Percolation,
filters, Subbaromyces splendens, role, sewage treatment 1460,
soil microorganisms, decomposition, crop residues, hydraulics effects on 7509. Pergolide,
metabolism, fungi, biosynthesis, pergolide sulfoxide, pergolide sulfone 7117.

metaboism, hungir orosy.

Pergolide autfone,
biosynthesis, pergolide metabolism, fungi 7117.

Pergolide autfoxide,
biosynthesis, pergolide metabolism, fungi 7117.

biosynthesis, pergolide metabolism, rungi 7117.

Perhydrondanyi,
derivatives, production, Rhodococcus australis 7783.

Pertconia circinata,
phydotxins, host-pathogen interactions, effects on gene expression, pc locus,
Sorghum 4519.

Perliaucoptera coffeella,
biological control, eggs susceptibility, pathogens, Metarhizium anisopliae 6910.

Particularitii.

Periodortitis, dental plaque, dental hygiene, man 2422. Peritontis, disease control, U.V. radiation, decontamination, dialysis, man 6718. disease control, dialysis, disinfectants, clinical trials, man 6721.

Permethrin, derivatives, toxicity, soil microorganisms, fungi 2174, toxicity, atrazine synergism, nontarget organisms, Pythium ultimum, Trichoderma viride 459.

Peronoscierospora sorghi

eronosclerospora sorghi, downy midew, disease control, Sorghum bicolor, Zea mays, foliar applications, metalaxyl 8126. downy midew, Sorghum bicolor, disease control, crop rotation, tillage 1175. downy midew, Sorghum bicolor, Zea mays, disease control, seed treatments, metalaxyl, efosite-Al 9144. ospores, detection, Zea mays, seeds 7964.

oospores, detection, Zea mays, seeds 7964.

Peronospore hyoscyam!, cell culture, Candida utilis stimulation, growth 2525.
concidia, infectivity, overwintering, blue mold, Nicotiana tabacum 8817.

Peronospore hyoscyam! f.ap.tabacina,
carbon dioxide sensitivity 5222.

Peronospora manshurica,
downy mildew, surveys, USA, lowa, Glycine max 7937.
races, virulence, downy mildew, Glycine max, disease resistance, Rpm gene 1202.

Peronospora parsaltica,
downy mildew, disease control, seed treatments, Brassica 8141.
downy mildew disease resistance, genetic analysis, seedlings, Brassica campestris downy mildew, disease resistance, plant breeding, germplasm, Brassica campestris 8065.

8065
downy mildew, Raphanus sativus, disease control, mancozeb 2902.
infection, Brassica, pathogenesis, epidemiology 2022.
mancozeb +curzate artifungual activity 2085.
Peroncepora tabacina,
blue mold, metalauyl, effects on, Nicotiana tabacum 8136.
infection, colonization, Nicotiana tabacum, callus 4550.
pathogenesis, incoulum potential, seasonal variations, Nicotiana tabacum 4548.
Peroxidase,
activity, Capsicum annuum leaves, Phytophthora capsici disease resistance 2844.
activity, incompatibility, Melampsora lini, rust, host-pathogen interactions,
Linum ustatissimum 8046.
+ catalajase test. Leoipnella pneumophila identification 5039.

Linum usitatissimum 8046. + catalase text, Legionella pneumophila identification 5039. isoenzymes, Phaseolus, Rhizoctonia solani infection pathogenesis effects on 7138. isoenzymes, purification, characterization, Phanerochaete chrysosporium 6861. isolation, activity, soll 2143. staining, assays, nitrate reductase, sirohaem containing proteins, Escherichia coli 8559.

Peroxisomes, Hansenula polymorpha, enzymes biosynthesis 4276.

root rot, Phytophthora cinnamomi, Phytophthora parasitica, biological control, parasitism, Catenaria anguillulae 5515.

Persea americana, fuits, ripening, antifungal compounds, Colletotrichum gloeosporioides infection 2000.

plant diseases, avocado sunblotch disease viroid, detection, electrophoresis

4525.

rot rot, Phytophthora cinnamomi, diseaso control, metalaxyl, efosite-Al, injection B125.

rots, detection, Phytophthora cinnamomi, media (selective) 5932.

rots, plant diseases, metalaxyl, efosite-Al, antifungal activity, Phytophthora cinnamomi 8923.

Persea grattlsima,

fruits, Colletorichum gloeosporioides latent infection, nutrients substrates effects on 7987.

Persica, powdery mildew disease resistance, genetic analysis, Sphaerotheca pannosa , var.persicae 4570.

Persteril,

antifungal activity, fungi 4962. Pest control,

est control, Arthrobotys irregularis, soil properties, pesticide residues effects on, Meloidogyne 52:es. Bacillus thuniquensis subsp.berliner β-exotoxin, clays, formulations, Pulicidae 4398. Beauveria basiana, inoculum survival, soil, pupae, Leptinotarsa decemiineata

Beauveria basslana, inoculum survival, soli, pupae, Leptinotarsa decemlineata 5213.

biological control, Bacillus thuringiensis, Etiella behrii 2644.

biological control, granulosis virus, field trials, Cydia pomonella 4388.

biological control, Neopiectana carpocapsae-t-Bacillus thuringiensis subsp. kurstaki, Platyphilia cardiudactyla 5216.

biological control, Nomuraea rileyi, Pseudoplusia includens, virulence, temperature, dosage effects on, Anticarsia gemmatalis 5212.

biological control, viruses, Insecta 1844.

efficacy, Simulium witatum, Bacillus thuringiensis, USA, Tennessee 6086. infestation, fruit bodies production, culture, Basidiomycetes 7855. integrated control, vectors 7648.

Megaselia halterala, invasiveness, Basidiomycetes 8109.

Nephotettix virescens, vectors, carbofuran formulations, Oryza sativa 6295.

Nomuraea rileyi, epizootiology, Plathypena scabra, Anticarsia gemmatalis, Pseudoplusia includens 5214.

Rhyconia frustrana, use, granulosis virus, Cydia pomonella, isolates 6892.

seeds, oils, Annona squamosa, Azadirachta indica, Nephotettix virescens, vectors, crice tungro virus, Oryza sativa 6299.

Pestalotida subcuticularis, antifungal activity, leaves resins, Hymenaea, Copaifera 5506.

Pestalotiopalis, canker, Flubus, USA, Ohio 8846.

Pestalotiopals palmarum,

canker, Rubus, USA, Ohio 8846.

Pestalottopsis palmarum,
fruit rot, post-harvest decay 8876.

Pestalottopsis versicolor,
cellulase biosynthesis 13.

Pesticide applications,
antimicrobial activity, books 9340.
disease control, plant diseases, phytopathogenic fungi, Glycine max, association
rainfall 1220.

Pasticide pollution,
2-4-D, soil microorganisms, electron transport chain 412.
soil pollution, carbofuran, fensulfothion, biodegradation, bacteria 2173.
Pesticide residues,
biodegradation, Saccharomyces cerevisiae, association, fermentation 990.

Pasticide residues, (continued) effects on Arthrobotrys irregularis, pest control. Meloidogyne 5218. fungicides, musts, fermentation, protection, Botrytis cinerea 3601. Pasticide resistance, Scientium cepivorum, iprodione, vinclozolin, myclozolin, dicloran, quintozene 5529.

5529.

Pesticides, antibacterial activity, Rhizobium 1324.
biodegradation, microorganisms enzymes, reviews 1019.
effects on fungi biodegradation, leaf litter 2097.
effects on Rhizobium japonicum growth, fungi pathogens, Glycine max 1212.
effects on, soil microorganisms, soil, measuring lechniques, reviews 4673.
+nuclear polyhedrosis virus, Bacillus thuringlensis, integrated control,
Heliothis virescens 135.

Heliothis virescens 135.
pesticide applications, antimicrobial activity, toxicology, nomenclature, chemical analysis, books 9340.
removal, activated sluodes 9366.
toxicity, nontarget organisms, soil microorganisms 5680.
Peaticides (organochlorine), biodegradation, bacteria 1014.
synergism, atrazine, permethrin, nontarget organisms, Pythium ultimum, Trohoderma viride 459.

tissue culture, antiviral activity, ribavirin, potato virus Y, tobacco mosaic virus, cucumber mosaic virus, Nicotiana tabacum 3904.

Petite mutant,

Saccharomyces, ethanol fermentation 6127.

Patri dishes,
antibiotic sensitivity testing, bacteria, factors affecting disc-diffusion test
2245.

Petroleum,
biodegradation, Acinetobacter calcoaceticus var.anitratus 3985.
biodegradation, Acinetobacter calcoaceticus var.anitratus 4882.
biodegradation, microorganisms, reviews 8287.
biodegradation, reviews, soil microorganisms 8285.
biodegradation, soil microfolroa 3987.
books, pollution effects, microorganisms 8497.
femmeritation, single-cell protein production, yeasts 5960.
photooxidation, toxicity, marine bacteria 6664.
recovery, use surfactarists, production, Bacillus licheniformis 5265.
sulfur compounds, biodegradation, Desulfovibrio 8274.
wastewater treatment, industrial effluents, oil and gas industry, reviews 8403.
Pezizales.

ezizales, ecological distribution, habitat, soil pH, Greenland 2128.

H. antibiotics biosynthesis, microorganisms 2246. effects on 8-D-fructorfuranosidase, sucrose hydrolysis, kinetics, soil 6332. effects on 8-D-fructorfuranosidase, sucrose hydrolysis, kinetics, soil 6332. effects on activity, pectinoptic enzymes, Cleatricium pectinofermentans 7737. effects on, antimicrobial activity, antimicrobial agents 1359. effects on, apergillus parasticus affatoxins biosynthesis, in vitro 7067. effects on, Bacillus macerans, glucose, termentation, products 2690. effects on acterioridal activity, gram-positive bacteria, gram-negative bacteria, albumen, eggs, chickens 4010. effects on caselnolytic enzymes, Kluyeromyces lactis 22. effects on, cellulose hydrolysis, cellulase, soil isolates, Bacillus 7682. effects on cellulose hydrolysis, cellulase, soil isolates, Bacillus 7682. effects on, cellulose hydrolysis, cellulase, soil isolates facility. Clostricium 4733. effects on cytokicium shownthesis, chizosophera microorganisms. Plus sylvestr effects on cytokicium shownthesis, chizosophera microorganisms. Plus sylvestr effects on cytokicium shownthesis, chizosophera microorganisms. Plus sylvestr effects on cytokicium shownthesis, chizosophera microorganisms. Plus sylvestr

ts on cytokinins biosynthesis, rhizosphere microorganisms, Pinus sylvestris 8161

effects on dehydrogenase activity, soil 8988.
effects on detergenis antibacterial activity, Escherichia coli 9264.
effects on digestion (anaerobic), sewage sludge 2352.
effects on disinfection, chloramines 9246.

effects on disinfection, chloramines 9246.

effects on, enzymes, activity, physicochemical properties, microorganisms, surveys, industries 58.

effects on exo-1,4;P-D-xylosidase activity, substrate specificity,
Aspergillus nilger 7725.

effects on Gomus fasciculatum, roots colonization, phosphorus nutrient uptake,
Chrysanthemun morifolium 5642.

effects on fleavy metals inhibition alcohol dehydrogenase, mechanisms, yeasts

effects on hydrolysis substrates, β-lactamase, kinetics, Eacillus cereus

4278

442.60 n, Mycoplasma gallisepticum, Mycoplasma synoviae, antigens, yields 5022 effects on, Nitrosomonas europaea, nitrous oxide, production, soil 7274 effects on pectinolytic enzymes production, continuous culture, Aspergilius niger 8601

8601.

effects on peranetic acid bactericidal activity, spores, Bacillus subtilis 7550.

effects on peracetic acid bactericidal activity, spores, Bacillus subtilis 7550.

effects on spoilage, yeasts, confectionery 8698.

effects on spoilage effects on control plase, Penicillium roqueforti 24.

effects on triacy(glycerol lipase, Penicillium roqueforti 24.

effects on tylosin stability 7455.

effects on virginiamycin binding ribosomes 8376.

effects on wastewater treatment, industrial effluents, meat industry, anaerobic conditions, bioreactors 3196.

effects on 2-methoxy-1,4-benzoquinone biosynthesis, vanillic acid metabolism, laccase activity 8644.

films, denitrification, rotating discs, wastewater treatment 2356.

inhibition, Rhizobium growth rate, isolates, Arachis hypogaea 2170.

levele, continuous culture, growth, Saccharomyces cerevisiae 5085.

measuring techniques, digestion (anaerobic) 6866.

protine hydroxylation. Streptomyces griseoviridus 5109.

protoplasts, Acer pseudoplatanus, fusicoccin effects on 7110.

reservoirs 3212.

reservoirs 3212.

reservoirs 3216.

role, carbenicillin, sulbenicillin, hydrolysis, β-lactamase, Bacillus cereus

4277.

nole, monophenol monoxygenase isoenzymes activation, Aspergillus oryzae 6041.

role: Sclerotinia sclerotiorum, pathogenesis, virulence, Helianthus annuus 2010.

rumen microorganisms continuous culture, lermentation 5295.

savannahs soil, urea fertilizers, sulfur coatings 8226.

stability, phosphogluconate dehydrogenase, comparison Bacillus stearothermophilus, yeasts 73.

Staphylococcus aureus growth, cheese 6960.

urine, effects on gentamicin artibacterial activity, Escherichia coli, Pseudomonas aeruginosa 3108.

water, detection, fungal flora, Glycine max seeds 289.
Phacidium Infeatans, some blight, Pinus sylvestris, association nutrient dynamics 5601.
Phadebact lost,

Phadebact test, agglutination, identification clinical isolates, Streptococcus pneumoniae 8465. agglutination, serotyping, Haemophilus influenzae 5066. agglutination, Streptococcus group B 752. cerebrospinal fluid, diagnosis, bacteria meningitis, man 3321. comparison, latex agglutination, detection, Haemophilus influenzae type b, artigens, cerebrospinal fluid 795. https://doi.org/10.1006/j.cerebrospinal fluid 795. https://doi.org/10.1006/j.cerebrospinal fluid 795. https://doi.org/10.1006/j.cerebrospinal.fluid 7

retention 3911

retention 3911. Phaeolus achweinitzti, infection, disease resistance, Coniferales callus culture 2826. propagules, immunofluorescence, microscopy, identification, detection, soil 4621. rust, Uromyces phaseoli var.typica, Uromyces phaseoli var.typ

nistopathology 1967.

Phaeoseptoria,
leafspot, Eucalyptus, incidence, greenhouses 8942.

Phaeoseptaeria typharum,
biomass, measuring techniques, glucosamines levels 6791.

Phaffla rhodozyma,
autolysis, astaxanthin extraction 5225.

+ Bacillus circulans mised culture, carbon sources, lytic enzymes activity
relationship astaxanthin extraction 1743.

relationship astaxammin extraction and property of the propert

Phage 82, infection, starter cultures, sausages fermented food, Lactobacillus plantarum 5334.

Phage c2, resistance, plasmid pNP40, Streptococcus lactis subsp.diacetylactis, dairy starters 2196. Phage fri, infection, starter cultures, fermented food, sausages, Lactobacillus plantarum

Phage f2,

U.V. radiation disinfection, kinetics models, water 568.

Phage M13,
ctoning vectors 626.

Phage M2,
DNA transfection, Penicillium islandicum islandic acid effects on 9120. Phage O1,

Salmonella detection methodology, milk samples 1573.

Phage PL-1, induction lysozyme, purification, characterization, Lactobacillus casei 4284.

induction lysozyme, purification, characterization, Lactobacillus casei 4284
Phage P22,
mutagenicity testing, Salmonella typhimurium, acridine, benzo(f)quinoline,
combustion products 3331.
Phage typing,
Bacillus sphaericus, pathogenicity, biological control, larvae, Culex
quinquefasciatus 2683.
epidemiology markers, Staphylococus aureus 6782.
identification, bacteria, plant diseases 3770.
identification, bacteria, plant diseases 3770.
identification, bacteria, plant diseases 3780.
Salmonella vphimurium, plasmids analysis, drug resistance patterns, clinic

Salmonella typhimurium, plasmids analysis, drug resistance patterns, clinical isolates 4690.

solates 4690. Staphylococus aureus, enterotoxins production, serotyping, clinics, foods 4479. Phage 12, inactivation, free radicals, superoxide, hydroxide, non-steroidal antiinflammatory drugs 4769.

antiinflammatory drugs 4769.

Phage T4,
DNA, gene 32 protein binding, trichloroethanol chemical modification, tryptophan
residues, role 4256.

lysozyme, disaccharides tetrapeptides binding effects on tryptophan residues,
fluorescence 7706.
polymulcadides, gene 32 protein binding, tryptophan residues role 4255.
polyribonucleotide synthetase(ATP), isolation, purification 4338.
polyribonucleotide synthetase(ATP), purification, characterization 6003.
polyribonucleotide synthetase(ATP), purification, use oligodeoxyribonucleotides
synthesis 621.

synthesis 621.
polyribonucleotide synthetase(ATP), use oligoribonucleotides synthesis 622.
thioredoxin, protein structure, tertiary structure, homology, glutaredoxin 7666.
Phage 74D,
lysis, Escherichia coli, contamination, petroleum recovery, rocks 3986.
Phage 77,
DNA, recombination, cell-free system, methodology 648.
Phage 6X174,
aclacinomycin A, inactivation, characterization 1351.
Phage 646 (MLB),
replication, dairy starters. Cheddar chasse production. Strantonomics large

replication, dairy starters, Cheddar cheese production, Streptococcus lactis 4456.

Phages, bacteria, mutagenicity testing, environmental factors, books, conferences 3388. cloning vectors, DNA integration methodology 628. coliforms, indicator species, water quality, water pollution, sewage treatment

concentration, membrane filtration, chromatography, measuring techniques, water, methodology, 5850. contamination, dairy starters, milk phosphate effects on, Lactobacillus bulgancus 3716.

bulgarcus 3716. contamination, dairy starters, Streptococcus group N, Leuconostoc, reviews 210. detection, drinking water, flococulation, concentration 8413. disinfection, peracetic acid, sewage efficients 695.

enumeration methodology, sewage 8420. Escherichia coli, cryopreservation, inactivation factors 1550

Phaseolus aureus, phytoalexins, antifungal activity, Cladosporium cucumerinum 5520. plant diseases, yellow mosaic virus, disease control, vectors, Aleyrodidae 3876. rot, Cylindrocephalum 5409. Phaseolus Illemenis, Escherichia coli, plaque assay, methodology, detection, water 2403. Inactivation, sunight, see water 2402. Indicator species, inactivation, waste water, marine environment 1499, indicator species, inactivation waste water, marine environment 1499, indicator species, accidentation and produce accidentation of the produce of the pro Phages, (continued) plant diseases, viruses, etiology, pathology 8775. Phaseolus lunatus, subsplactis 5337.

fysis, DNA homology, prophages, dairy starters, Streptococcus cremoris 5335, production, fermentiers, cloning vectors preparation, Rhizobium meliloti 4997. removal, kinetics, filters, anaerobic conditions, wastewater treatment 1474. Phizobium leguminosarum var.trifolii incoulum, effects on nodulation 5662. RNA polymerase isolation, kinetics, substrate specificity 59. role, plasmids spread, Staphylococcus drug resistance 9070. ultrafiltration isolation, water reclamation 2396. use, obtetion, speck, Lycopersicon esculentum 8823. use, poliution indicators, association, enterovirus microbial pollution, drinking water 8425. cowpea mosaic virus, incidence, vectors, Bemisia tabaci, population density, seasonal variations 3783. Phaseolus mungo,
planting density, time, effects on, leafspot, Cercospora canescens, pathogenesis 7929.

Phaseolus schweinitzil,
roots, plant diseases, +Cronartium ribicola blister rust, association,
Dendroctonus ponderosae, Pityogenes fossifrons, Pinus monticola, USA, Idaho 8182
Phaseolus vulgaris,
Basidiomyoetes plant diseases, pathogenesis 1111.
beans, Lactobacillus cellobiosus fermentation, mannitol biodegradation,
Lactobacillus plantarum 7003.
cell walls, Pseudomonas phaseolica cell adhesion, extracellular polymers, use, pontion intracauris, association, enterioritis introduction, water 8425.

use, Rhizobium leguminosarum var.trifolii eradication, Trifolium repens protopiasts 8658.

water, enumeration methodology, bacteria hosts adsorption 2408. cell wails, Pseudomonas phaseolica cell adhesion, extracellular polymers, polysaccharides 2785. clover yellow vein virus infection, pathogenesis 6226. Colletorichum lindemuthianum anthracnose, pathogenicity 1122. cotton leaf crumple disease, virus-like particles etiology, epidemics, USA, Phagocytes, rifamycin transport, antibacterial activity, Staphylococcus 7449. Phagocyres, ritamycin transport, antibacterial activity, Staphylococcus 7449. 
Phagocytoels, Cryptococcus neoformans, staining, (4',6-diamidino-2-phenylindole)-fluorochrome, microscopy 2524. 
leukocytes (polymorphonuclear), Staphylococcus, fibronectin interactions, clindarnycin effects on 514. 
leukocytes, Staphylococcus aureus killing, ansamycin antibacterial activity relationship 2298. 
Staphylococcus aureus, rifamycin interaction, leukocytes 7450. 
Staphylococcus aureus, articipationsomes, antibacterial activity, Escherichia coli infected macrophages 513. 
viability, Staphylococcus aureus, antibiotics, antibacterial activity, photometry, methodology 6771. 
Phagostimulants, synergism, pathogenicity, Bacillus thuringiensis var.entomocidus, Spodoptera littoralis, biological control 131. 
Phakopacor pachyrhtzi, ust. (slycine max, disease spread, pathogenicity, association, economics 7944. 
rust, lost range, host alternation, disease reservoirs, Leguminosae 7940. 
Phallales, Arizona 8814 Anzona 8814. cuttivars, disease resistance, bean yellow mosaic virus 1208. cutivars, nitrogen sources, effects on nitrogen fixation, Rhizobium leguminosarum var.phaseoli 8250. cutivars, Rhizobium leguminosarum var.phaseoli nodulation, nitrogen fixation 9021 disease resistance, clover yellow vein virus infection, inoculation methodology disease resistance, clover yellow vein virus inrection; inoculation metricology effects on 8103.
disease resistance, halo blight, Pseudomonas syringae pv.phaseolicola 5406. disease resistance, plant breeding, Uromyces phaseoli rust 3857. disease resistance, Rhizoctonia solani, role cuticle 1174. disease resistance, Rhizoctonia solani root rot, genetic control, inheritance 2069. lisease resistance, rust, Uromyces phaseoli, races virulence 2846. grey mold, Botrytis cinerea, pathogenesis association developmental stages, environmental effects 1114. environmental effects 1114.

halo blight disease resistance genes, plant breeding 5481.

host-pathogen interactions, organelies, Colletorichum lindemuthianum 7142.

hypcotyls, cell adhesion, Colletorichum lindemuthianum, spores 3796.

infection, Colletorichum lindemuthianum, pectin lyase production 5185.

inheratance, disease resistance, rust, Uromyces appendiculatus 2850.

inoculation, Phizobium leguminosarum var.phaseolii, nodulation 6376.

leaves, lesions, atlafta mosaic virus 8857.

leaves lesions, Xarthmononas campestris var.phaseolii, hydrogen fluoride effects on 7133. rust, host range, host afternation, disease reservoirs, Leguminosae /940. Phallales, L-idurono-D-glucuronan, structure 5202. Phallic acid, L-idurono-D-glucuronan, structure, Phallales 5202. Phallic acid, L-idurono-D-glucuronan, structure, Phallales 5202. Phallodin, fluorimetry, Amanita suballicea 5386. thioesters cross-linking, conformation, N.M.R., C.D., Amanita phalloides 3755. Phallus Impudious, and the second structure of the second structure, solid, mycellar language, and second structure, leafspot, Eichhornia crassipes 8818. Phanerocheste chrysoaporium, biodegradation pathway, anylgiveroil-p-anyl ethers, lignin 2712. biodegradation, articum aestivum lignocelluloses 6943. biodegradation, 44-eithoxy-3-methoxyphenyl)-2-(4\*-methoxyphenyl)propionic acid, association, lignin, metabolism 3662. + Candida utilis, mixed culture, single-cell protein production, ferrmentation, straw, Triticum aestivum 1710. growth patterns, lignin biodegradation 179, lignin, biodegradation and 1884. lignin biodegradation, depolymerization, respiration 7817. lignin biodegradation, oxygen incorporation 4431. lignin biodegradation, oxygen incorporation 4431. lignin biodegradation, oxygen incorporation 4431. lignin in degradation enzymes, purification, characterization 6011. lignin degradation articum exchanisms 4442. lignin biodegradation articum exchanisms 4442. lignin biodegradation articum exchanisms 4442. lignin biodegradation articum exchanisms 4431. lignin biodegradation articum exchanisms 4432. lignin biodegradation oxygenase, purification, characterization 6011. lignin degradation enzymes, purification, characterization 6861. white rot, detritus effects on pathogenesis, Cynodon dactylon, Eremochloa ophiuroties, Poa pratensis, Stenotaphrum secundatum 8785. peroxidase isoenzymes, purification, characterization 4019. Phanerochaete velutina, soil, mycelia provide, development 401. Phanquinone, antibacteria activity, stimulation, secretions, pancreas, duodenum, man 9088. Pharmaceuticals, biodeterioration, fusarium, reviews 6956. Phallales, L-idurono-D-glucuronan, structure 5202. 7133.
mixed infection, tobacco mosaic virus+bean golden mosaic virus, pathogenesis 244.
nitrogen fixation, aging effects on Rhizobium 6361.
nitrogen fixation, energy balance, cultivars strains interaction, Rhizobium
leguminosarum var.phaseoli 8238. trogen fixation, Rhizobium leguminosarum var.phaseoli, strains variability 8249. 8249, nitrogen fixation, Rhizobium, phosphorus effects on 7286. nodulation, Rhizobium inoculum 2161. phylloplane electrical properties, phylopathogenic fungi spores discharges 7143, phylloplane electrical properties, phylopathogenic fungi spores discharges 7925. phytopathogenic fungi spores discharges 7925. Phizobium leguminosarum var.phaseoli nodulation, Pseudomonas putida effects or 5658. Rhizoctonia solani root rot, herbicides effects on 1181 Hnizoctonia solani root rot, herbicides effects on 1181 hizosphere microorganisms, soil microorganisms, population levels 8990. root rot, Pythium etiology, USA, Wisconsin 7939. root rot, Pythium, Eusarum, effects on N-(phosphonomethyl)glycine activity 7943. roots, Rhizobium leguminosarum var.phaseoli incoulation, growth, flowering 4506. rust, disease resistance, cultivars comparison, sporulation incidence 8082. rust, Uromyces phaseoli, haustonia inhibition, triphenylphosphite 2899, seeds, Cerospora canescens, seed-borne fungi, detection methodology 1676. soil moisture, roots density, effects on, Fusarium solani f.sp.phaseoli, infection 3782. Intection 3782.
soli-borne diseases, Pythium, Rhizoctonia solani, disease control, agricultural practices comparison fungicides 1210.
symptoms, inheritance, Xanthomonas campestris pv.phaseoli blight 4501.
tobacco mosaic virus infection disease resistance, relationship, leaves sucrose Phanquinone,
antibacterial activity, stimulation, secretions, pancreas, duodenum, man 9088
Pharmaceuticale,
biodelerioration, Fusarium, reviews 6956.
contamination, microorganisms, nosocomial environments, reviews 9149.
industries, microorganisms, contamination 9147.
microorganisms, contamination, production, antibiotics, antimicrobial agents,
antimicrobial activity, books 9343.
microorganisms contamination, reviews 9149.
preservatives, antimicrobial activity 1366.
production, microorganisms, genetic engineering 8652.
production, reviews 9150.
sterilization, treviews 9150.
sterilization, trugi, viruses 9144.
sterilization, trugi, viruses 9144.
sterilization, treviews 9150.
sterilization, treviews 9150.
sterilization, treviews 9150.
sterilization, treviews 9150.
sterilization, drugi, viruses 9144.
sterilization, treviews 9150.
sterilization quality control 9146.
syrups, microorganisms analysis 4136.
use secondary metabolites, microorganisms, reviews 965.
vereinary medicilene, sterility testing, membrane filtration, viruses 7395.
Pharmacology,
antibiolics, drugs, artimicrobial activity, clinical trials, pharmacokinetics,
pediatrics, reviews 5725. content, light 8886.

tobacco mosaic virus infectivity, Tritirachium alkaline proteinase inhibition 2806. Uromyces phaseoli rust, association, chloroplasts ultrastructure, chlorophylls levels 2775. ieveis 2775.
virulence, Uromyces appendiculatus, monokaryons, comparison, dikaryons 2780.
veb blight, Rhizoctonia microsclerotia, genotypes, disease resistance 8060.
white mold, canopies effects on disease control, Sclerotinia sclerotiorum 7930.
Phebla gigantea,
white rot, detritus effects on pathogenesis, Cynodon dactylon, Eremochloa ophiuroides, Poa pratensis, Stenotaphrum secundatum 8785. pohluroides, Poa pratensis, Stenotaphrum secundatum 8785.

Phellinus noxius,
root rot, Hevea brasiliensis, pathogenesis 2920.
rot, Delonix regia 5590.

Phellinus punctatus,
incidence, plants, USA, North Dakota 3838.

Phellinus weirli,
infection, Pseudoisuga menziesii, growth reduction determination 3923.

Phenamiphos,
effects on levels, activity, bacteria, algae, soil, leaf litter 9025.

Phenanthrens,
blodepradation, marine environment isolates. Pagicillium, yearte 7310. biodegradation, marine environment isolates, Penicillium, yeasts 7310. biodegradation, Micrococcus 1294. stereoselectivity, oxidation, Cunninghamella elegans 2188. Phaseolotoxin, production, Pseudomonas syringae pv.phaseolicola 2763. Phaseolue, detection Aspergillus parasiticus aflatoxins food contamination, use, chromatography methodology 7088. Rhizoctonia solani infection, effects on peroxidase isoenzymes 7138.

biodegradation, reviews 8278.

Phenazines,
biodegradation, Pseudomonas aureofaciens 2716.

Phenethyl alcohol,
production, L-phenylalanine conversion, cheese ripening, yeasts, bacteria 6993.

Saccharomyces cerevisiae sensitivity, amino acids auxotrophs 3062.

Phermedipham,
herbicides, nitrification, soil 2002.

henol, biodegradation enzymes, Alcaligenes eutrophus 4422. biodegradation, kinetics, activated sludge 6674. biodegradation, soli microorganismes 2141, effects on Aspergillus flavus affatoxin B1 biosynthesis, in vitro 7095. inhibition activated sludge, wastewater treatment, models 552. mibition methanogenesis, digestion (anaerobic), wastewater treatment 4680, inhibition oxygen consumption, monitoring, computer applications, activated sludge 6703, removal, carbon (activated) adsorption, biodegradation, water treatment, Arthrobacter 7500.

Arthrobacter 7500.

Phenolic acids, levels, Arachis hypogaea leaves, association rust 8771.

Phenols, bark, levels, Nectria coccinea var.faginata, host-pathogen interactions, Fagus bark, Ievels, Nectria coccinea var.faginata, host-pathogen interactions, Fagus grandfloia 818, blodegradation, industrial effluents isolates, Acinetobacter, Fusarium flocciferum 8685. blosynthesis, Verticicladiella liquid culture 972. Cicer arietinum, levels, Rhizoctonia bataticola infection 1975. derivatives, biodegradation, acclimitatation, activated sludge 5829, derivatives, physicochemical derivatives, antimicrobial activity, bacteria, fungi 1353.

disinfection 1508

extraction, wastewater treatment, monophenol monooxygenase, Agricus bisporus 5846

5846 industrial effluents, wastewater treatment, aeration 4902 inhibition, Abies balsamea soil nitrification, sub-alpine environments 2908, levels, Rubus, Didymella applanata infection 9454, removal, oxidative metabolism, wastewater treatment, activated sludge 5847, water pollution, epollution effects, biodegradation, aquatic microorganisms 5812. Phenoxy-exthy1-dimethy1-dodecy1-ammonium bromide, antibacterial activity 6463. Phenoxyecetamido-esphalosporanic sold, cephalosporin C conversion, penicillin acyttransferase, mutants, Penicillium chrysogenum 9183.

Phenoxyecetic acid, cliping derivatives, hydrophobicity, structure-activity relationships, Pseudomonas putida 1882.

Phenyl carbonic acids,

chlorine derivatives, hydrophobicity, structure-activity relationships, Pseudomonas putidia 1882.

Phenyl carbonic acids, flavor, temperature effects on, wort fermentation, beer 2682.

N-Phenyl-N'-aryl thioureas, derivatives, structure-activity relationships, disease control, potato virus X, Nicotiana tabacum 4592.

3-Phenyl-pro-2-yn-1-oils, synthosis, antifungal activity, phytopathogenic fungi 3059.

1-Phenyl-3-methyl-4(selenadiazolyl-phenylhydrazo)-Δ2-pyrazolin-5-one, antibacterial activity, antifungal activity 9131.

1-Phenyl-3-methyl-4(stelafiazolylyl-phenylhydrazo)-Δ2-pyrazolin-5-one, antibacterial activity, antifungal activity 9131.

2-Phenyl-4-th-benzol) bithopyran-4-ones, synthesis, antibacterial activity, antifungal activity 4780.

Phenylacitic acid, anaerobic bacteria, biosynthesis 855.

4-Phenylacitic acid, anaerobic bacteria, biosynthesis 855.

4-Phenylacitic acid, anaerobic bacteria, biosynthesis 855.

1-Phenylalanine, conversion, tyrosine, immobilized cells, Pseudomonas 875.

Flavobacterium, biosynthesis 1701.

role, Bacillus brevis, gramicidin S, biosynthesis 8381.

1-Phenylalanine, conversion, phenethyl alanine oxidase, methodology, Pseudomonas 5150.

assays, use L-phenylalanine oxidase, methodology, Pseudomonas 5150. conversion, phenethyl alcohol production, cheese ripening, yeasts, bacteria 6993. Phenylalanine ammonila lysse, Rhodotorula glutinis, activity induction, stabilization 37. Phenylalanine ammonila-lysse, activity, suppression, Penicillium digitatum, post-harvest decay, grapefruits

L-Phenylaianine oxidase,

use, L-phenylalanine assays, methodology, Pseudomonas 5150.

thenylalanyl-tRNA synthetase,
carbohydrate composition, comparison cytoplasm, mitochondria, Saccharomyces
cerevisiae 930.

purification, characterization, electrophoresis, Escherichia coli 5995. 8-{Phenylaminojmethyl-2,4-quinazolinediamines, antibacterial activity, 8304.

arimoacteria activity 6304.

1-Phenylethanol,
biodegradation, plasmids, Pseudomonas fluorescens 4425.

Phenylmethylaufonyl fluoride,
dyflos, inhibition serine proteinase, Streptomyces rutgersensis 2584.

o-Phenylphenol, biodegradation, activated sludge, rivers, aquatic microorganisms 7836. disease control, post-harvest decay, fungi, apples 8052. 8-Phenylselenenyl-penicillanates, synthesis, stereoselectivity 6335.

synthesis, stereosesiectivity co.o.

3-Phenythtioproplonamidotics, models, penicillin biosynthesis 6529.

Philasphora lagesthergil, scytalone biosynthesis, acetic acid radioactive labelling 7785.

scytalone biosynthesis, acetic acid radioactive labelling 7785.

Philalophore,
blodeterioration, forest products, colonization, succession, preservatives,

effects on 1241.
biological control, Gaeumannomyces graminis var.tritici, take-all, Triticum aestivum 5512.

aestivum 551-7. Phialophora graminicola, Flusarium bight, Poa pratensis, association 5418. Phialophora hoffmannii, soft rot, biodegradation, wood, cinemicrography 1245. Phialophora radictoola, incidence, Gramineae roots 2786. Phialophora zeicola sp.nov., role, Zea mays root rol, stalk rot, South Africa 284.

Philadelphus coronarius, flower blight, leasport, Pseudomonas syringae 1160. Phillostigma thorningil, nodulation, Rhizoblum 4667. Phieum pratense,

silage, proteolysis 1068. Phloem,

Eucalyptus marginata, Phytophthora cinnamomi infection, stems lesions development 3842.

mycoplasma-like organisms, little leaf, Vaccinium vitis-idaea, Vaccinium

Phlox drummondii,

leafspot etiology, Pleospora drummondii sp.nov., Stemphylium drummondii sp.nov. imperfect state 2039.

Phoenix

carbon sources, citric acid production, Candida lipolytica 873. Phoenix dactylifera, wine, fermentation, yeasts, lactic acid bacteria, acetic acid bacteria 5288.

Phoma,

Phoma, phomenone production, phytotoxins 8747. 
Phoma betae, antagonism, Bacillus subtilis antibiotics production, Phoma betae, oxafun inhibition. nhizosphere 2139. 
betaenone metabolites, isolation, characterization, new records 7115. 
infection, Beta vulgaris, Laeisaria arvalis, antiagonism, effects on 8032. 
infection, seedings, Beta vulgaris, disease control 851.

Phoma destructiva, infection, phomenone detection, high-performance liquid chromatography, Lycopersicon esculentum 8824. infection, phomenone formation, Lycopersicon esculentum 8848. phytotoxins, purification, characterization 8746.

Phome stigua, gangrene, Solanum tuberosum, disease resistance 2070. seed rot, Vigna radiata, pectinolytic enzymes, production 3797. Phome stigua var.foveata, experimental infection, Solanum tuberosum, injection systems 4495.

experimental infection, Solanum tuberosum, injection syste Phoma lingam, stalk rot, disease control, vinclozolin, Brassica napus 2903, stalk rot, disease control, vinclozolin, Brassica napus 2814. Phoma macdonaldil, charcoal rot, Helianthus annuus, etiology 4551. Phoma medicaginis, black stem, disease resistance, plant breeding, Medicago s black stem, disease resistance, plant breeding, Medicago s ease resistance, plant breeding, Medicago sativa 4572.

black stem, disease resistance, plant breeding, Medica Phoma minutella, infection, Buteo monosperma 8017. Phoma nivea comb.nov., infection, Dalbergia sisco 8017. Phoma sorghina, leafspot incidence, Grewia asiatica, India 2034. Phoma violacea, post-harvest decay, Malus pumila, pathogenicity 2053.

post-harvest decay, Malus purnila, patnogenicity 2053.

Nomanoae,
formation, Phoma destructiva infection, Lycopersicon esculentum 8848.
Phoma destructiva infection, delection, high-performance liquid chromatography,
Lycopersicon esculentum 8824.
phystotoxins, production, Phoma 6747.

Phomopsis,

Phomopsis, asymptomatic infection, plants, taxonomic significance 7129. asymptomatic infection, plants, taxonomic significance 7129. infection, seeds, harvesting dates effects on, Glycine max 8778. roridin A, isolation, characterization 7896. stem canker, Helianthus annuus 7194. Phomopsis batatse, asymptomatic infection, plants, taxonomic significance 7129. Phomopels leptostromiformis, infection, Lupinus, epidemiology, Australia 7926. mycotoxins, phomopsin A amino acid sequence, N.M.R. use 3735. opportunistic infection, Ulmus 7232. Phomopsis phaseoli, asymptomatic infection, plants, taxonomic significance 7129.

rnomopais priesson, asymptomatic infection, plants, taxonomic significance 7129. Phomopais sojae, asymptomatic infection, plants, taxonomic significance 7129. Phony disease, bacteria, sylem, Prunus persica, water potential 8879.

chemical control, Nephotettix virescens, vectors, rice tungro virus, disease control, Oryza sativa 2072. Phoridae,

infestation, culture, fruit bodies production, Basidiomycetes 7854. infestation, pest control, fruit bodies production, culture, Basidiomycetes 7855. Phosethyl AI, Cross-resistance, metalaxyl, Phytophthora infestans, Pseudoperonospora cubensis, disease control, Solanum tuberosum, Cucumis sativus 2894. treatment, Penicillium digitatum post-harvest decay control, fruits 2050. Phosphamidon,

soil microorganisms, effects on fungi 6388. Phosphatase,

activity, composts, Aspergillus awamori, Paecilomyces fusisporus 7491. activity, Simulium ornatum, biological control, Coelomycidium simulii, Pieistophora simulii 2646.

Pleistophora simulii 2646.
activity, soil, Cook Is., Tongan Is. 8225.
activity, soil, measuring techniques 3929.
activity, soil microorganisms 1264.
assays, staining, bacteria 8610.
denaturation, renaturation, electrophoresis, Acholeplasma laidlawii 7707.
ectomycormizas, role phosphate, nutrient uptake, comparison Basidiomycetes saprophytes, Betula pubescens, Plnus contorta 5575.
production, relationship antibiotic resistance, clinical isolates, gram-negative bacilii 4709.

Phosphate, antimicrobial activity, food, reviews 6981. availability, soil, Vicia faba residue biodegradation 3668. buffers, media (culture), effects on, lactic acid bacteria, Streptococcus, antibiotic resistance 5708.

Phosphate, (continued)
composting, phosphate-dissolving bacteria 6343.
effects on tentoxin biosynthesis, Alternaria alternata 5395.
fertilizer applications, effects on soil nitrifying bacteria ritrous oxide
production 7283.
fertilizer applications, efficiency, Pseudomonas striata seed treatme
culinaria 4820. Phosphoric amides, inhibition, collagenase, Clostridium histolyticum 25. Phosphoric diester hydrolases, purification, Flammulina velutipes 5979. nosphorous acid, antifungal activity, Phytophthora 8124. ations, efficiency, Pseudomonas striata seed treatments, Lens antituga acuting a factor of the properties of the properties association, Glomus fasciculatum, enhancement, Trifolium subterraneum, Pelargonium, growth 2943. availability, vesicular-arbuscular mycorrhizas colonization, Allium cepa growth 3947. culmans 4020.

fertilizers, Glomus mosseae vesicular-arbuscular mycorrhizas interaction, effects on Medicago sativa 3946.

+ Glomus fasciculatum+Rhizobium, inoculation, Vigna unguiculata, Cajanus cajan 2945. availability, vesicular-arbuscular impoormizas colonization, Alium cepa growth 3947. 
chemical analysis, biomass assays, soil microorganisms, soils (organic) 5631. 
concentration, soil microorganisms biomass 6348. 
effects on fungi incidence, Lolium perenne roots 6340. 
effects on fungi incidence, Lolium perenne roots 6340. 
effects on nitrogen fixation, Inciduation, Effizication effects on effects on, Medicago sativa 8221. 
effects on rodulation, affects on, Medicago sativa 8221. 
effects on ribizoplane microorganisms, bacteria, association, Gramineae 6334. 
endomycorrhizas interaction, growth, Lollum perenne 8971. 
Glomus fasciculatum, effects on hyphae formation, Trifolium 8934. 
interaction, vesicular-arbuscular mycorrhizas fungi, Meloidogyne incognita, mixed 
infection, Lycopersicon esculentum prodisposing factors, Verticillium dahliae wilt 3833. 
nutrient uptake, Glomus fasciculatum, pH, ammonium nitrate ratio effects on, 
Chrysanthernun morifolium 5642. 
nutrient uptake, mycorrhizas, plants 5627. 
nutrient uptake, mycorrhizas, plants 5627. 
nutrient uptake, mycorrhizas, plants 5627. inhibition streptothricin biosynthesis, energy metabolism, Streptomyces noursei liganda interaction inorganic pyrophosphatase, X-ray scattering, yeasts 3487. milk, effects on phages contamination, dairy starters, Lactobacillus bulgaricus 3716. 3716, nutrient availability, proteinase production, Pseudomonas fluorescens 7749, nutrient flow, vesicular-arbuscular mycorrhizas mycella, roots, Acer pseudoplatanus 5555, nutrient uptake, ectomycorrhizas, fertilizer applications stimulation, Pseudotsuga menziesii 5574, nutrient uptake, ectomycorrhizas, phosphatase, comparison, Basidiomycetes saprophytes, Betulia pubescens, Pinus contorta 5575, nutrient uptake, vesicular-arbuscular mycorrhizas, colonization, roots, crops 5820. 5620.

nutrient uptake, vesicular-arbuscular mycorrhizas, interaction actinorrhizas ntrogen fixation, Hippophae rhamnoides 8243.
nutrient uptake, vesicular-arbuscular mycorrhizas, physiology, colonization, roots, trees 5554.
nutrient uptake, vesicular-arbuscular mycorrhizas, spores levels, soils (sandy), yield, Anacardium octodentale 7260.
role, alkatoids biosynthesis, Claviceps 3754.
soil amendment, induction vesicular-arbuscular mycorrhizas sporulation, Paspalum notatum 2134.
soil amendment, vesicular-arbuscular mycorrhizas lafestidis. nutrient uptake, stimulation, vesicular-arbuscular mycorrhizas, Arachis hypogaea 5641. 5641.
nutrient uptake, vesicular-arbuscular mycorrhizas, Citrus 8216.
nutrients removal, waste water, wetlands 1481.
Phaseolus vulgaris, effects on nitrogen fixation, Rhizobium 7286.
phytic acid, nutrient availability, single-cell protein, Saccharomyces cerevisiae effects on, feeding fitals, rats 7883.
release, 6-phytase, lactic acid bacteria, fermentation, com 6977.
removal, role, microorganisms wastewater treatment 3190.
Sorghum vulgare, effects on vesicular-arbuscular mycorrhizas 8200.
sources, soil microorganisms, aluminum phosphate utilization 2151.
uptake, Medicago sativa, Corynebacterium insidiosum wilt, disease resistance effects on 3879.
untake stimulation Glorus mossage inoculation, Malus domestica 3942. soil amendment, induction vesicular-arbuscular mycorrhizas sporulation, Paspalu notatum 2134.
soil amendment, vesicular-arbuscular mycorrhizas Infectivity, seasonal variations, Triolium subterraneum 2144.
solubilization, Pseudomonas striata, Aspergilius awamori 6350.
solubilization, soil, fungl, phosphate-dissolving bacteria 2138.
stimulation, colistin production, Bacilius polymyxa 3148.
Phosphate-dissolving bacteria,
+ Azotobacter, Aspergilius awamori, inoculation, composting 8391.
composting, phosphate 6343.
2,4-dioxohexahydro-1,3,5-friazine Inhibition 3970.
phosphate dissolution, rhizosphere microorganisms, Triticum aestivum, Lollum perenne 7255.
phosphate solubilization, soil 2138.
Phosphatidyl ethanolamine, hydrolysis, Streptococcus lactis fractions 1895.
Phosphatidylip/cerophosphate synthase,
enzymatic activity detection, phospholipids biosynthesis, Saccharomyces cerevisiae, autoradiography 3364.
Phosphatidylinoettol synthase,
enzymatic activity detection, phospholipids biosynthesis, Saccharomyces cerevisiae, autoradiography 3364.
Phosphatidylinoettol synthase,
enzymatic activity detection, phospholipids biosynthesis, Saccharomyces cerevisiae, autoradiography 3364.
Phosphatidylinoettol synthase,
enzymatic activity detection, phospholipids biosynthesis, Saccharomyces cerevisiae, autoradiography 3364.
Phosphatidylinoettol synthase,
enzymatic activity detection, phospholipids biosynthesis, Saccharomyces cerevisiae, autoradiography 3364.
Phosphatidylinoettol synthase,
enzymatic cardivity detection, phospholipids biosynthesis, Saccharomyces cerevisiae, autoradiography 3364.
Phosphatidylinoettol synthase,
enzymatic cardivity detection, phospholipids biosynthesis, Saccharomyces cerevisiae, autoradiography 3364.
Phosphatidylinoettol synthase,
enzymatic cardivity detection, phospholipids biosynthesis, Saccharomyces cerevisiae, autoradiography 3364.
Phosphatidylinoettol synthase,
enzymatic cardivity detection, phospholipids biosynthesis, Saccharomyces cerevisiae, autoradiography 3364. uptake, stimulation, Glomus mosseae inoculation, Malus domestica 3942. uptake, vesicular-arbuscular mycorrhizas, montane environments grasslands 126 Phosphorus cycle, biogeochemistry, forests 5536. soil, bacteria, reviews 4626. soil microorganisms, crop fields 5635. soil microorgan

Phosphorus 31,
metabolism, N. metabolism, N.M.R., wastewater treatment, microorganisms 4092.

Phosphorylase, phosphorylation, comparison cyclic AMP dependent proteir kinase, yeasts 996.

Phosphorylase kinase, phosphorylase kinase, phosphorylation yeasts phosphorylation yeasts phosphorylase, comparison cyclic AMP dependent proteir kinase 986. Phosphorylase phosphatase, purification, characterization, yeasts 933. purification, characterization, yeasts 933.

Phosphorylation,
thymidine kinase, herpes simplex virus 1, sensitivity relationship,
9-(2-hydroxyethoxymethyliguanine, (2-bromovinyl)-2-deoxyuridine 2225.

3-Phosphoshikimate 1-carboxyvinyltransferase,
purification, Escherichia coli 7714.
purification, Schizosaccharomyces pombe 1800.

Phosphostidamylornithine,
production, Pseudomonas syringae pv.phaseolicola 2763.

Phosphotransferase,
Staphylococcus aureus, Staphylococcus epidermidis, cilinical isolates,
purification, characterization, role, antibiotic resistance 5165.

Phostosynthetic apparatus,
Lemna minor, orelianine toxicity, Cortinarius speciosissimus, structure-acti Phosphoenolpyruvate, analogs inhibition, phosphoenolpyruvate carboxylase activity, Escherichia coli 3489. 349

Phosphoenolpyruvate carboxylase,
activity, phosphoenolpyruvate analogs Inhibition, Escherichia coli 3489.
Escherichia coli, purification, methodology 5978.

Phosphofructokinase,
purification, characterization, Saccharomyces cerevisiae 7684.
purification, characterization, yeasts 6007.

Phosphogluconate dehydrostase,
purification, affinity chromatography, characterization, Zymomonas mobilis 4293.
Phosphogluconate dehydrogenase,
stability, comparison Bacilius stearothermophilus, yeasts 73.
Phospholipase A1,
purification, characterization, Saccharomyces cerevisiae 1767.

Phospholipase A2, Proctosynthetic apparatus,
Lemna minor, orelianine toxicity, Cortinarius speciosissimus, structure-activity
relationships 1949.
Photobacterium phosphoreum,
continuous culture, methodology 1607.
Photobiaaching,
association, Methanobacterium thermoautotrophicum coenzyme F420 assays 681
Photochemistry,
oxygen free radicals, role lignin degradation, models, fungi 3663.
Photolnactivation,
pseudorables virus, methylene blue light, electricity, 469. purification, characterization, Saccharomyces cerevisiae 1767.

Phospholipase A2,
purification, characterization, Vibrio vulnificus 7676.

Phospholipase C,
active sites, N.M.R., X-ray crystallography, Bacillus cereus 5986.
bacteria, activity, soil 2947.
Propionibacterium acnes, purification, characterization 8563.

(S.3)-N.N'-ethylenediamine succinic acid, inhibition, Actinomycetes, production 5667. psaudorabies virus, methylene blue, light, electricity 468.
Photoinduction,
antifungal activity, Thiophene derivatives 3060.
cercosporin, production, superoxide, oxygen loss 7901.
Photomycoide antibiotics measurements 7464.
antibiotic sensitivity testing, bacteria, computer applications 3076.
methodology, antibiotics, antibioacterial activity. Staphylococcus aureus,
photosylation, viability 6771.
Photosylation, viability 6771.
media (culture), agar, Campylobacter fetus 4210.
petroleum, toxicity, marine bacteria 6664.
Photoperiod,
Metarhizuru anisopilae Inocultum production, biological control, Cercopidae 5266.
Photoreduction, pseudorabies virus, methylene blue, light, electricity 468. Propionibacterum acnes, purtication, characterization 8563. (S.)3-N.N.-terhylenediamine succinic acid, inhibition, Actinomycetes, prospholipase C Inhibitor, purification, characterization, Streptoverticillium mycoheptinicum 7672. Phospholipids, biosynthesis, Saccharomyces cerevisiae, enzymatic activity detection, autoradiography 3364. Microsporum gypseum, biosynthesis 1851. Phosphonic amides, inhibition, Clostridium histolyticum, Clostridium histolyticum 25. Phosphonocaetic acid, resistance, bright synthesis 1851. Phosphonocaetic acid, resistance, mutants, herpes simplex virus 1 2193. resistance, mutants, herpes simplex virus 1 2193. N-(Phosphonomethylglycine, activity, Phaseolus vulgaris root rot effects on 7943. biodegradation, nutrient sources, Pseudomonas, Alcaligenes 8684. toxicity, biodegradation, soli microorganisms 2175. Phosphoprotein phosphatase, purfication, characterization, yeasts 933. Phosphoribuloktnase, quaternary structure, cross-linking use, Alcaligenes eutrophus 6840, quaternary structure, cross-linking use, Alcaligenes eutrophus 6840.

Photosyntnesis, biomass production, phototrophic bacteria 8510. 
Carya Illinoensis, Microsphaera penicilitata powdery mildew effects on 5446. 
ectomycormizas effects on, Pinus taeda 5572. 
energetics, batch culture, continuous culture, phototrophic bacteria 9304. 
mycormizas, effects on, growth, Pinus contoria 5538. 
Rhodospirillum rubrum, reaction centers preparation methodology 2509. 
Phototrophic bacteria, 
bacteriochlorophyll, extraction methodology 9318. quaternary structure, cross-linking use, Alcaligenes eutrophus 6840. Phosphoric acid,
effects on, Trichoderma viride, cellulase, hydrolysis, cellulose 188.
inactivation 4-hydroxy-2-oxoglutarate aidolase, dimerization, Escherichia coli Phytophthora sensitivity 7383.

U.V. radiation, choline oxidase, Alcaligenes 891.

Photosenalitivity,
U.V. radiation, Haemophilus influenzae, anaerobic conditions, nitrogen 4749.
Photosynthesis,

Phototrophic bacteria, (continued) culture methodology 4214. nitrogen fixation regulation, nitrogenase, iron proteins modification 2611. photosynthesis, biomass production 8510.

photosynthesis, energetics, continuous culture, batch culture 9304 storage, nitrogen (liquid), anaerobic conditions 4215.

Phragmidlum violaceum, rust, Rubus ulmifolius, Australia 8012.

Public acid, bacteria, reviews 7828, biodegradation, bacteria, reviews 7828, biodegradation, soil microorganisms 8961. decarboxylation, Bacillus, marine microorganisms, biodegradation 998, decarboxylation, Bacillus, marine microorganisms, biodegradation, relationship, carbon dioxide, production, microorganisms assen.

esters, biodegradation, relationship, carbon dioxide, production, microorganisms 3660.

Phycomyces blakesleeanus, lactate dehydrogenase reduction, pyruvic acid, kinetics 2620. malate dehydrogenase reduction, pyruvic acid, kinetics 2620. malate dehydrogenase reduction, pyruvic acid, kinetics 3454.

4-methyfithiazole-5-acotic acid, isolation, identification 7771.

Phylicocpiruta oleivora, biological control, Hirsutella thompsonii var.synnematosa, conidia production, inoculum 3363.

Phylicoty, Mycoplasma-like organisms, Manihot esculenta, Colombia 8027. mycoplasma-like organisms, ultrastructure, lesions, leaves, Leguminosae 8773.

Phylioplane, Acer pseudoplatanus, microflora succession 8936. electrical properties measurement, phytopathogenic fungi spores discharges, Phaseolus vulgaris, Zea mays 7143.

electrical properties, phytopathogenic fungi spores discharges, Phaseolus vulgaris, Zea mays 7925.

Glycine max, fungi, Azotiobacter chroococcum, secretions, effects on 7252.

Phyliosphere microorganisms, fungi, Azotiobacter chroococcum, secretions, effects on 7252.

Phyliosphere microorganisms, Ceterach officinarum, Asplenium fillare, Chelanthes catanensis 8981.

Phyliosticta maydis, toxins structure 1952.

Phylloxera, resistance, Vitis vinifera × Muscadinia rotundifolia hybrids, cross-breeding

Phymatorichum, root rot, Gossypium barbadense, Gossypium hirsutum 6280. 
Phymatorichum omnivorum, ecological distribution, relationship soil cations 374. 
host-parasite interactions, Gossypium hirsutum, observation methods, equipment 2926.

host-pathogen interactions, sorghum bicolor 5437.
root rot, Gosspium hirsutum, disease control, ammonia 5523.
root rot, Gosspium hirsutum, disease control, soil temperature+water potential

Bous:
Physalia angulata,
plant diseases, okra mosaic virus, epidemiology, Nigeria 6262.
Physalia fordidana,
potato leaf roll virus, pathogenicity, disease transmission, vectors, Myzus
persicae 4553.
Physarum polycephalum,
plasmodia, microfilaments, proteins, isolation, chracterization 5954.

Physalad activity.

Physical activity, medical personnel, effects on airborne microorganisms levels, operating theaters

3-rnytase, purification, kinetics, Saccharomyces cerevisiae 4319.
 5-Phytase, phosphorus release, fermentation, lactic acid bacteria, corn 6977. purification, kinetics, Saccharomyces cerevisiae 4319.

purmication, interust, season the protein state of the protein state of the protein state of the protein state of the stat

nytoalexine, antifungal activity, Cladosporium cucumerinum, Phaseolus aureus 5520. defensive mechanisms, infection, Ceratocystis ulmi, Chrondrostereum purpureum, Coriolus versicolor, Ulmus glabra 5500. disease resistance, plants 8900. Gossypium barbadense accumulation association Verticillium dahliae wilt 2824. inducers, disease control, Helminthosporium oryzae brown spot, Oryza sativa seediings 3887.

Lycopersicon esculentum, Verticillium albo-atrum Infection 7200. plant cells culture, disease resistance, host-pathogen interactions, role,

plant cells culture, disease resistance, host-pathogen interactions, role, reviews 2056. 
production, Diphysa robinioides leaves, fungi inocculation 5519. 
production, host-pathogen interactions, Pseudomonas syringae infection, cell 
culture, Glycine max 2058. 
production, mycoleminaran stimulation, Phytophthora, receptors, plasma membranes, 
Glycine max 2075. 
production, Sophora japonica leaves, Helminthosporium carbonum inoculation 1131. 
tolerance, Nectria haematococca, characterization 426. 
Phytopathogenic fungl, 
antifungal activity, Catharanthus roseus extracts 3884. 
antimirorbial activity, Catharanthus roseus extracts 3884. 
antimirorbial activity, Orchidaceae roots oils 4779. 
biological control, soil inoculum, Trichoderma viride, Trichoderma harzianum 
8918. 
biological control, Teratosperma oligocladum, hyperparasitism, Sclerotinia 975.

biological control, Teratosperma oligocladum, hyperparasitism, Sclerotinia 975. biological control, Trichoderma parasitism, ultrastructure 1213. canker, Rubus, USA, Ohio 8846. damping-off, Pinus banksiana, Picea mariana, soil amendment, organic matter, effects on 1239.

enects on 1239.

disease control, crop residues, composting 2842.

disease resistance, host-pathogen interactions, genotype-environment interactions, plant breeding, crops 2865.

disease resistance, Pisum satirum, polygalacturonase inhibitors 7203.

disease resistance plant breeding, Cajanus cajan 8899.

disease resistance plant breeding, Cajanus cajan 8899.

Phytopathogenic tungi, (continued) disease resistance, Triticum aestivum, antifungal activity, alka-2,4-dienal,

α-triticene, β-triticene 6305. diseases, India, conferences 2547

ecological distribution, host range, India, new records 1963 foliar diseases, Leguminosae 6237.

fungioides resistance, disease control, mathematical models, plant diseases 439. host-pathogen interactions, disease resistance, plant breeding, Vitis vinifera, Coffea, Cocos, Ficus carica 2869.

Collea, Cocos, Fricus carica 2009.

Nost-pathogen interactions, in vitro growth, plant cells monosaccharides 7125. host-pathogen interactions, mathematical models, population density, disease resistance, plant diseases 2772. host-pathogen interactions, roots, agricultural practices, Triticum aestivum 3807.

. incidence, fungicides efficacy, Phaseolus vulgans 2086. infection, Oryza sativa, pathogenesis, epidemiology, etiology 1986. infection, Dryza sativa, pathogenesis, epidemiology, etiology 1986. incoculation, spraying, plant diseases 2771. mancozeb+curzale antifungual activity 2085. 3-phenyl-pro-2-yn-1-ols synthesis, antifungal activity 3059. phydotxins, conferences 9347. incl. backs 7840.

pryotoxins, conterences 9347.
plant diseases, check lists, Brunel, books 7640.
plant diseases, conforences 7644.
plant diseases, conforences 7646.
plant diseases, conforences 7640.
plant diseases, diseases presistance inducers 4571.
plant diseases, diseases pread, computer applications 6220.
plant diseases, diseases pread, computer applications 6220.
plant diseases, diseases pread, computer applications 6220.
ramfall 1220.

plant diseases, mathematical models, disease spread 7127. plant diseases, pathogenesis, reviews 4493. plant diseases, Saudi Arabia 5399.

plant diseases, Saudi Arabia 5399.
plant diseases, turfgrass, books 1684.
pod rot, Arachis hypogaea, calcium levels effects on pathogenesis 1121.
rhizosphere, Pseudomonas siderophores antagonism, Solanum tuberosum 2830.
root rot, pasture, Medicago 6233.
root rot, Zea mays, etiology 7952.
rot, Colocasia artitujourum, etiology, pathogenesis 810.
soil microorganisms, methyl bromide, toxicity 1218.
soil-borne diseases, biological control, suppressive soils induction, reviews 331.

Soli-borne diseases, disease control, soil amendment, sewage sludge composts 311. soil-borne diseases, disease control, suppressive soils 332. soil-borne diseases, models, reviews \$40(2) alondrol, suppressive soils 330. soil-borne diseases, suppressive soils 326.

soil-borne diseases, suppressive soils, soil properties, reviews 329. spores discharges, phylloplane electrical properties measurement 7914. spores discharges, phylloplane electrical properties, Phaseolus vulgaris, Zea mays 7143. spores discharges, phylloplane electrical properties, Phaseolus vulgaris, Zea

mays 7925

sniegs 1923. spores, introduced species, quarantine, New Zealand 6329, spores, wind dispersal, modelling, crop fields, hordeum vulgare 5403. vrutience, genetic variance, relationship, weed control, biological control 3893.

Phytophthe a,

hytophthe 7a, antagonism, rhizosphere actinomycetes, Eucalyptus marginata, Pinus radiata 2099. antifungal activity, phosphorous acid, efosite-Al 8124, black pod, maturity effects on, Theobroma cacao 7993, disease resistance plant breeding, Vigna unguiculata 8898. infection, mycolaminaran receptors, plasma membranes, stimulation phytoalexins production, Glycine max 2075. interaction, ectomycorrhizas, reviews 393. metalaxyl sensitivity 5282. oospores, spore germination, viability, tetrazolium bromide staining 805. phosphoric acid sensitivity 7383. root rot, crown rot, Castanea sativa disease control 3876. root rot, crown rot, orchards, Juglians regia 271. root rot, Glycine max, biological control, Hypochytrium catenoides 5510. hytopothytrium catenoides 5510. hytopothytrium caceroum,

root rot, Glycine max, biological control, Hypochytrium catenoides 5510. 
Phytophthora eactorum, crown rot, Bacillus subtilis antagonism, biological control, seedlings, Malus pumila 7212. 
crown rot, Malus, antagonists, bacteria, effects on pathogenesis 5511. 
fruir rot, disease control, fungicides, Fragaria chiloensis 7214. 
Phytophthora capsicl, 
biight, crown rot, Capsicum annuum, disease resistance 5508. 
disease resistance, Capsicum annuum leaves, peroxidase activity 2844. 
root rot, disease resistance, plant breeding, Capsicum annuum, Capsicum 
fruisescens 8094.

frutescens 8094. Phytophthora cinnamomi,

ntifungal activity, efosite-Al, metalaxyl, plant diseases, roots, Persea americana 8923.

aniericana csz.o.

dieback, Eucalyptus marginata, disease control 8170.
dieback, Eucalyptus tetradonta, stands 359.
disease control, seedlings immersion, water temperature, Pinus radiata 7219.
infection, Eucalyptus maculata, Eucalyptus pilularis, factors affecting
pathogenesis 2119.
infection, Eucalyptus engrinata phipem, stame legions development 3842.

participenesis 2 i 19.
infection, Eucalyptus marginata phloem, stems lesions development 3842.
infection, Eucalyptus, roofs, water relations 5605.
infection, relationship water content, bark, Eucalyptus marginata 358.
infection, roots, Eucalyptus marginata, Eucalyptus calophylla, temperature,

infection, roots, Eucalyptus marginata, Eucalyptus cauphylia, emperature, effects on 3912.
media (selective), demon, Persea american roots 5932.
media (selective), demonstrativity 5533.
overwintering, survival, Abies fraseri seedlings 1235.
root rot, Abies fraseri, linoded soils effects on pathogenesis 5610.
root rot, Abies fraseri, linoded soils effects on pathogenesis 5610.
root rot, diseases control, metalaxyl, efosite-Al, injection, Persea americana

root rot, Eucalyptus sieberi, soil types 5584. spores, Catenaria anguillulae parasitism, biological control, root rot, Citrus, Persea 5515.

rouse 3010. sporulation, 200spores, survival, Rhizobium, effects on 7262. stem rot, Robinia pseudoacacia, new records, China, People's Rep. 369. survival, metalaxyl interaction soil microorganisms 2091. Phytophthora cltricola.

metalaxyl sensitivity 5533

Phytophthora citricola, (continued) phosphoric acid sensitivity 7380. Phytophthora citrophthora, overwintering, Citrus, disease resistance 5509, phosphoric acid sensitivity 7383. Phytophthora colocasies, soil, survival, saprophytes, association, Colocasia 8958.

son, survival, saprophytes, association, colocasia assa.

Phytophthora cryptoges, disease resistance screening projects, plant breeding, Carthamus tructoria 7188, root rot, disease resistance, plant breeding, Carthamus finctionus 6296, root rot, disease resistance, screening, environmental factors, Carthamus finctionus 7970.

root rol, disease resistance, puer oreering, environmental factors, Carthamus inctorius 7970.

rot, Solanum tuberosum, pathogenesis, USA, Toxas 1155.

salinity effects on infection susceptibility, Chrysanthemum morifolium 7181.

Phytophthora drechaleri, Dilgiri, Cucumis, Christian People's Rep. 7170.

disease resistance part breeding, Cajarus cajan 8899.

induction tuberosum 8034.

rot industrial polarity infestants, oospores production, pathogenicity, late bigiri, Calarum tuberosum 8034.

rot industrial polarity infestants, oospores production, pathogenicity, late bigiri, Solanum tuberosum 8034.

rot industrial polarity infestants, oospores production, pathogenicity, late bigiri, Solanum tuberosum 8034.

rot industrial polarity infestants, calarity infestion, Fragaria, disease control, use, fumigation, comparison, fungicides denohes 1182.

red core, vesicular-arbuscular mycorrhizas protection, Fragaria vesca 5448.

Phytophthora infestans, chloramphenicol, streptomycin effects on 1401, haustoria, disease resistance, callose growth, tubers, Solanum tuberosum 2008. infection, effects on membrane potential, cells, Solanum tuberosum 2014, infection, solanum tuberosum glosaes resistance, callose eresistance correlation papiliae 6303. infection susceptibility, fertilizer applications, leaves, Solanum tuberosum 2812.

Iate blight, disease control, fungicides, foliar applications. Solanum tuberosum 8815.

late blight, disease control, fungicides, foliar applications, Solanum tuberosum 8915.

late bright, disease control, fungicides, forlar applications, solanium tuberosum 8915.

Iate blight, disease control, metalazyl, mancozeb, Solanium tuberosum 8926.

Iate blight, fungicides disease control, solanium tuberosum 1926.

Iate blight, fungicides disease control, solanium tuberosum 1926.

Iate blight, burgicides disease control, solanium tuberosum 1924.

Iate blight, Solanium tuberosum, pathogenesis, ultrastructure 3837.

metalazyl, anithrugal activity 6313.

mycelia, fatty acid composition, role pathogenicity, Solanium tuberosum 2012.

pathogenicity, osopores production, Phytophthora drechsleri induction, late blight, Solanium tuberosum 8034.

pathogenicity, recombination, inheritance, Solanium tuberosum 2815.

phosphoric acid sensitivity 7383.

streptomycin antifungal activity, cations effect on 7379.

Phytophthora isteralis, soil isolation methodology 5650.

Phytophthora megasperms, host-pathogen interactions, Medicago sativa, disease resistance, Medicago sativa, 6868.

Phytoghthora parasitica var.nicotlanae, antifungal activity, metalaxyl 8133. black shank, epidemics, Nicotiana tabacum 3830. RNA biosynthesis, DNA biosynthesis, protein biosynthesis, antifungal activity,

metalacy (813s.

Phytophthora parasitica var.piperina,
growth, pathogenesis, Areca catechu, oil cake, effects on 8138.
rot, biological control, fungi extracts, Piper betle 5518.

Phytophthora pseudotsugse, root rot, disease control, metalaxyl, silviculture, seedlings, Pseudotsuga menziesii 8927.

root rot, Pseudotsuga menziesii, etiology, pathogenesis 3909.

Phytoplankton, nutrient sources, ponds, composting, solid wastes, sewage sludge 6689. Phytotoxicity, discretion (apperchic), soil microorganisms decomposition

s, digestion (anaerobic), soil microorganisms decomposition, Horden crop residues, di distichon 2936

distichon 2936.

Phytotoxins.
Alternaria aiternata, tentoxin, biosynthesis, isolation 2762.

Altersolanol A, Alternaria solani, phytotoxicity 2813.

aspergillomarasmine A, aspergillomarasmine B inhibition peptidyl dipeptidase A, carboxypetidase A, arminopeptidase (microsomal) activity, Aspergillus onyzae 3734.

37:34.
biosynthesis, Verticicladiella liquid culture 972.
Botrytis fabae chocolate spot, Vicia faba 3794.
Cercospora beticola, inhibition protons pumps, microsomes, Pisum sativum 8744 cercosporin, production, superoxide, oxygen, ions, photoinduction 7901.
Helminthosporium carbonum, structure-activity relationships, Zea mays 1983.
Helminthosporium maydis, analogs, structure-activity relationships, Zea mays 1983.

Helmirthosporium maydis, analogs, structure-activity relationships, Zea mays 1955.
Helmirthosporium maydis, roots bioassays, susceptibility, genes, Zea mays 875.
Helmirthosporium widoriose, host specificity, Avena sativa 7902.
hydroxy-hydroperylenediones, structure, Alternaria 8735.
isolation, Mycosphaerella pinodes, Asochyta pini, infection, Pisum sativum 2781
Mycoplasma, spike, pathogenesis, Santalum album 8955.
peptides, structure, Paecilomyces marquandli 8742.
Periconia circinata, host-pathogen interactions, effects on gene expression, polocus, Sorghum 4519.
phomenone, formation, Phoma destructiva infection, Lycopersicon esculentum 88phomenone, production, Phoma 684747.
phytopathogenic fungi, conferences 93477.
plant diseases, role 6222.
production, Fiquid culture, Cochilobolus victoriae 8743.
Pseudomonas syringae purphaseolicola, amino acid composition 1940.
purification, characterization, Phoma destructiva 8746.
soil microorganisms, role alielopathy, soil fertility, crops 4636.
structure, acid, isolation, association, Alternaria alternata leaf blight,
tenuazonic acid, characterization 5394.
toxicity, soil microorganisms composition, Malus pumila rhizosphere 2146.
zinniol production, Alternaria 7903.

bud rust, pathogenesis, Chrysomyxa woroninii 5580. ectomycorrhizas, Sphaerosporella brunnea 8162. forests, humus, thiosulphate sulphurtransferase, soil microorganisms 2916.

Picea ables,
Amillaria mellea root rot, susceptibility, relationship, soil nutrients, soil pH. 2919

2919. callus culture, disease resistance, Phaeolus schweinitzii infection 2826. disease resistance, Heterobasidion annosum, fertilization effects on 8169. growth rings, relationship Armillaria mellea, infection 355. Heterobasidion annosum, biological control, antagonism, in vitro, fungi 8181. pathogenicity, Armillaria mellea 353. seedlings, cold storage, infection, Basidiomycetes 8175. viruses infection, leaves, cytopathology 6325. water stress, blue stain, pathogenicity, Ceratocystis penicillata, Ceratocystis value stain, pathogenicity, Ceratocystis penicillata, Ceratocystis

Pichia pastoris, formaldehyde dehydrogenase (glutathione), purification, characterization 1782. formate dehydrogenase, purification, characterization, methanol oxidation 2614

normate denydrogenase, purincation, characterization, m Pichia pinus. Pichia pinus. Pichia polymorpha, suppressor mutanti, nullinase, fructose produciton 3526. Pichia segoblenais,

xylose fermentation, ethanol production 5285.

PIchia spartinae,
single-cell protein production, substrates, Musa paradisiaca crop residues 863.

Pichia stipitis

xylose fermentation, ethanol production 5285. Baci xylose fermentation, ethanol production, comparison, Pachysolen tannophilus 6136. Pinus, Pleornavirus, recombinants, genetic engineering, vaccines production 6635

recombinants, genetic engineering, vaccines production 6635.

Plerce's d'Isease,
disease resistance, cultivars, plant breeding, Vitis vinifera 8068.
disease resistance, plant breeding, cultivars, Vitis vinifera 8064.

Plerfe rapse,
biological control, pathogenicity, Erynia pieris 6906.

Plerment,
biological control, pathogenicity, Erynia pieris 6906.

Plerment,
biological pathogenicity, Erynia pieris 6906.

Plerment,
biological practical plant viruses infection 2776.
fluorescence, production, Pseudomonas, media (selective) 7608.
melanin, biosynthesis, Cryptococcus nerdormans, indole compounds utilization 2645.

Popartia fructifieri yer strowyrish biosynthesis: indesting farcture referation. Nocardia fructiferi var.stomycini, biosynthesis, isolation, factors affecting

1857 production, Candida utilis fermentation, extracts, Beta vulgaris 6069.

production, food dyes, immobilized cells, Monascus 5238.
production, media (culture), enhancement, Pseudomonas aeruginosa 7617.
production, Monascus purpureus 5251.
production, Streptococcus group B, detection, identification, use 2475.

production, Streptococcus group of a production, Streptococcus group of animal isolates, Escherichia coli, antibiotic sensitivity testing 6500. 
animal isolates, Haemophilus pleuropneumoniae, drug resistance levels 6406. 
animal models, immunogenicity, rotavirus (bovine) vaccines 3177. 
animal wastes - cellulose, substrates, digestion (anaerobic) 2333. 
animal wastes, digestion (aerobic), storage, anaerobic conditions, digestion (anaerobic) 7507. 
animal wastes, digestion (anaerobic) 6702.

(anaerobic) 7507.
animal wastes, digestion (anaerobic) 6702.
animal wastes, digestion (anaerobic), methanogenesis 7514.
animal wastes, fermentation, slage, nutritive value, feeds 7019.
animal wastes, wastewater treatment, aerobic conditions 2377.
animal wastes, wastewater treatment, aerobic conditions, odors 2378
animal wastes, wastewater treatment, anaerobic conditions, methanogenimal wastes, wastewater treatment, digestion (anaerobic) 7521.

antibodies, hog cholera virus, bovine diarrhea-mucosal disease virus, detection, neutralization, immunoperoxidase test 6743.

aspartate aminotransferase amino acid sequence, comparison, Escherichia coli 65ta, fecal coliforms, antibiotic resistance, chlortetracycline 5711. chlortetracycline containing feeds, animal isolates, anaerobic bacteria, chlortetracycline antibiotic resistance 2197.

dysentery, prophylaxis, treatment, pyrantel tartrate, +tylosin, +lincomycin, feeds 1918.

reads 1918.

syperimental infection, Japanese encephalitis virus, immunoglobulin M, immunoglobulin G, serum, enzyme-linked immunosorbent assay 5011.

fecal coliforms, tetracycline, antibiotic resistance, characterization 1317.

fecal coliforms, tetracycline, antibiotic resistance, characterization 1317.

feeds additives, chiortetracycline, antibiotic resistance, animal isolates, aerobic bacteria, coliforms, 8295.

Haemophilus pleuropneumoniae infection, immunodiagnosis, 2-mercaptoethanol agglutination 7593.

immunity, African swine fever virus, vaccines, antigens solubilization, detergents 1452.

isolation, coliforms, antibiotic resistance, association, chlortetracycline, treatment 3033.

isolation, Erysipelothrix rhusiopathiae, antibiotic resistance, characterization

isolation, Pasteurella multocida, media (selective) 5912.

isolation, Pasteureila mutrociola, media (selective) 5412. Leptiospira vaccines, immunogenicity 4883. Iung, Haemophilus influenzae antigens detection, agglutination 2520. Iung, slauphter, Haemophilus isolation, dilution methodology 2463. manure, γ radiation inactivation, viruses 4087. manure, digestion (anaerobic), thermophilic bacteria, mesophilic bacteria, methane production 7523. methodociosis easoplating innesting feads. Yugoslavia 7048.

mycotoxicosis association ingestion feeds, Yugoslavia 7048. neonates, diarrhea, clinical isolates, Escherichia coli, antibiotic sensitivity

testing 5788.

testing 5789.

Proposition of the state of

nonia, Mycoplasma hyopneumoniae, enzyme-linked immunosorbent assay, diagno pneumo 5894

5894.

pregnancy, feeds contamination effects on fetuses, vomitoxin 2746.

pseudorables virus vaccines, preparation, use, Lens culinaris agglutinins+agarose immobilization 3182.

Salmonella typhimurium experimental infection, feeds, chlortetracycline, virginiamycin, antibacterial activity 4486.

serum, Brucella abortus antibodies detection, enzyme-finked immunosorbent assay methodology 5083.

single-cell protein rutritive value, fermentation, milk, ultrafiliration 1916.

skin tests, use, artigens, nucleocapsids, pseudorables virus 617.

slurines, digestion (anaerobic, inactivation, enterovirus (bovine), vaccinia virus, factors affecting 6884.

vaccines production, parvovirus (porcine), oils emulsions 7487.

III,

All, antigenic determinants, synthetic peptides, structure-activity relationships, antigen-antibody interactions, vaccines, Escherichia coli 6657.

Bacteroides nodosus, immunochemistry, labelling methodology 7624.

Bacteroides nodosus, vaccines, sheep, purification, characterization, immunogenicity 3185.

Escherichia coli, identification, monoclonal antibodies, enzyme-linked immunosorbent assay 5067.

Haemophilis influenzae, detection, hemadsorption methodology 2470.

Neissaria gonorrhoeae, Neissaria meningitidis, vaccines, production, immunogenicity 538.

Neissaria gonorrhoeae, vaccines, production 539, proteins, Bacteroides nodesus, agglutination, absorption, bioassays, methodology 678.

678

proteins, Escherichia coli, subunit structure, purification, characterization, hemaggiutination 4252. Streptococcus sanguis, antigens, enzyme-linked immunosorbent assay methodology 1621.

Pimelic acid

Bacillus sphaericus, determination methodology 3295.

um quercuum f.sp.banksianae rust, disease control, use,

2-lodobenzamilide, benoministerier tust, disease corror, use, 2-lodobenzamilide, benomy 3916. greenhouses, seedlings, growth, nutrient uptake, stimulation, inoculation, ectomycorrucas 565? leaves chemical composition, association, Fomes annosus root rot 2116. leaves, tungi, decomposition, saprophagy, food preferences, Porcellio scaber leaves, tungi, decomposition, saprophagy, food preferences, Porcellio scaber

2912.

pitch canker, Fusarium moniiforme var.subglutinans, biological control, Arthrobactor 2918
Arthrobactor 2918
plant breeding, disease resistance, blister rust, Cronartium (faccidum 2870. plant breeding, disease resistance, pusarium, genetic markers, mating types, epidemiology plantations, Heterobasidion annosum, genetic markers, mating types, epidemiology

seedlings, roots, ectomycorrhizas colonization, culture systems 7637. wood decay, brown rot, Coniophora cerebella, Poria vaporaria, Gloeophyllum abietinum 8947.

pletrum osy:

Pinus bankslana,
ectomycorrhizas, Synbaerosporella brunnea 8162.
ectomycorrhizas, symbionts, Canada 6165.
phytopathogenic fungi damping-off, soil amendment, organic matter, effects on

rust, Cronartium comptoniae, epidemiology, host-pathogen interactions, host rust, cronartum componiae, epidemiology, nost-parmaternation, Comptonia peregrina 5602.
rust, pathogenesis, Endocronartum harknessii 8946.
seedlings, inoculation, mycelia, ectomycomizas 7227

seedlings, inoculation, mycelia, ectomycorrhizas 7228

Pinus cantorta,
bark infection, Endothiella aggregata sp.nov. 8185.

Pinus caribaes, seedlings inoculation, survival, transplantation, ectomycorrhizas 5569.

Plnus caribaea ver.hondurensis, seedlings, Ganoderma lucidum inoculation, pathogenicity 3922. wood, blue stain, disease control 6331.

athanogenesis 9037. Pinus cembra, 21. Suillus plorans inoculation, methodology, reviews 831.

Suillus piorans inoculation, methodology, reviews 831.

Pinus controrta,
ectomycorrhizas, phosphate, nutrient uptake, phosphatase, comparison saprophytes,
Basidiomycetes 5575.
mycorrhizas, effects on, growth, photosynthesis 5538.
pathogens, Caloscypha fulgens, dissemination, Mammalia 7237.

Pinus densiflora,
wood, antifungal agents, disease resistance, Fomes annosus 354.

Pinus echinata,
seedlings, Cronartium quercuum f.sp.fusiforme infection susceptibility 5591.

Pinus elitotti,
seedlings disease resistance fusiform ust Cronartium quercuum f.sp.fusiforme.

seedlings, disease resistance, fusiform rust, Cronartium quercuum f.sp.fusiforme 2921.

Pinus elliottii,

Pinus elliottil, density, effects on disease resistance, fusiform rust, Cronartium quercuum f.sp.fusiforme 8187. 
fusiform rust, Cronartium quercuum, pathogenesis 4615. 
flignin, mineralization, fungi, role, marine environment 1026. 
Finus elliotti var.elliottil, fusiform rust, Cronartium quercuum f.sp.fusiform einoculum, phenology 3921. 
fusiform rust, pathology location, relationship, yield 8943. 
seedings, stems lesions, fusiform rust, Cronartium quercuum f.sp.fusiforme 7234. 
Prinus excelse, 
roots, Helicotylenchus digonicus parasitism, interspecific relationships, 
mycorhizas 348.

Tools, Heliculyer in a supplication of the property of the pro

roots, plant diseases, pathogens, +Cronartium ribicola blister rust, association, Dendroctonus ponderosae, Pityogenes fossifrons, USA, Idaho 8182.

Dendroctonus ponderosae, Piryogenes tossirrons, USA, idento 162

Pinus nigra,
Cronarium quercuum f.sp.banksianae rust, disease control, use,
2-iodobenzanlide, benomyl 3916.

Pinus pinaster,
ectomycorrhizas, Hebeloma cylindrosporum, chitin levels 3949,
propagation, roots formation, auxin-ectomycorrhizas effects on 5929,
nosisPinus ponderosae, surgacama. Basidiomycetas infection, effects or

blue stain, ceratocystis nigracarpa, Basidiomycetes infection, effects on water conductivity 8194.

conductivity 8194.
Cronartium quercuum f.sp.banksianae rust, disease control, use,
2-lodobenzanilide, benomyl 3916.
disease resistance, needle blight, USA 8941.
disease resistance, Surinia actical brown spot, analysis methodology 3925.
forests, burning effects on nutrient cycles, soil microorganisms, litter, forest
floor 8932.

host specificity, Verticicladiella wageneri, morphology, variants 4613. hypersensitive response, seasonal variations, Ceratocystis minor, Penicillium 8193.

mycorrhizas, bifenox, chlorothal, napropamide, effects on, development 5582. roots, Pisolithus tinctorius spores inoculation, seedlings survival 5607. seedlings, geographical variations, rust susceptibility, Endocronarium harknessi ii 945.

litter decomposition, humus production, microorganisms 3952

litter decomposition, numus production, inicroorganisms 3922.

Pinus radiata, soil, acetylene reduction, nifrogen-fixing bacteria 8937.
forests, litter, soil, acetylene reduction, firtilizer applications 5541.
forests, soil mycoflora, population levels, relationship Aphelenachus avenae 8223.
hydrolysates, role, ethanol fermentation inhibition, Saccharomyces cerevisiae
6132.

Orthistroms sentenora needle hight Equador 5600.

pathology, Dothistroma septospora needle blight, Ecuador 5600. plantations, ectomycorrhizas, fruit bodies formation, environmental factors, Suillus luteus 5571.

rhizosphere, actinomycetes, antagonism, Laccaria laccata, Pythium, Phytophthora

seedlings, immersion, water temperature, effects on roots colonization, ectomycorrhizas, disease control, Phytophthora cinnamomi 7219. wood, hydrolysis, Saccharomyces cerevisiae, fermentation, inhibitors 7807.

Pinus resinosa,

live roots, biodegradation, soil microorganisms 6322. roots growth, stimulation, colonization, ectomycorrhizas 5561. Pinus roxburghii,

seed-borne diseases, seed treatments, thiram, ethylmercuric chloride 8176. Pinus silvestris,

Pinus silvēstris, wood, decomposition, bacteria 7239. Pinus strobus, ectomycormizas, Pisolithus tinctorius, in vitro 5543. roots, Helicotylenchus digonicus parasitism, interspecific relationships, mycormizas 346.

seedlings colonization, ectomycorrhizas, soil, mines, Pisolithus tinctorius 8931. Verticicladiella procera, incidence, soil, infection pathogenesis, USA, Virginia 3919

Pinus sylvestris,
Armillaria mellea root rot, susceptibility, relationship, soil nutrients, soil pH 2919.

2919.

Basidiomycetes, ectomycorrhizas, Finland 2102.
calius culture, disease resistance, Phaeolus schweinitzii infection 2826.
cytokinins biosynthesis, pH effects on, rhizosphere microorganisms 8161.
disease resistance, Helerobasidion annosum, ferrilization effects on 8169.
ectomycorritizas, Bolletacese, ecological distribution, Finland 2100.
plant diseases, association nutrient dynamics 5601.
roots, Armiliaria mellea infection, ferrilizer applications effects on 2923.
roots colonization, mycelia, spreadring, nutrient transport, ectomycorrhizas 5573.
seeddings, ectomycorrhizas, inhibition, non-target organisms, mancozeb, paraquat
5570.

\*\*Retricical process inocidence, soil infection pathogenesis. USA Virginia

Verticicladiella procera, incidence, soil, infection pathogenesis, USA, Virginia

3919.
viruses infection, leaves, cytopathology 6325.

Pinus taeds,
embryos, disease resistance, necrosis ultrastructure, fusiform rust, Cronartium
quercuum f.sp.fusiforme 362.
usiform ust, pathology location, relationship, yield 8943.

hotosynthesis, introgen sources, carbon sources, translocation, ectomycorrhizas effects on, Pisolithus tinctorius, Suillus granulatus 5572. seedlings colonization, ectomycorrhizas, soil, mines, Pisolithus tinctorius 8931. seedlings, roots growth, inoculation, ectomycorrhizas, Pisolithus tinctorius

3908.

Pinus virginiana, disease resistance, pitch canker, Fusarium moniliforme var.subglutinans 5599. seedlings colonization, ectomycorrhizas, soil, mines, Pisolithus tinctorius 8931. seed-bore fungi, seed-borne diseases, fungicides, seed treatments 8177. Pipernidic actid, antibacterial activity, Chlamydia trachomatis 3119. antibacterial activity, Staphylococcus aureus L form growth 9097. Piner battle.

Piper bette,
Phytophthora parasitica var.piperina rot, biological control, fungi extracts

5518.

Piperacillin,
analogs, antibacterial activity, characterization 7433.
antibacterial activity, anaerobic bacteria 6539.
antibacterial activity, anaerobic bacteria 6539.
antibacterial activity, included that 6527.
antibacterial activity, Enterobacteriaceae 4809.
antibacterial activity, Enterobacteriaceae 4809.
antibacterial activity, gram-negative bacilli 7431.
antibiotic resistance, association, 5-lactamase, Pseudomonas aeruginosa 4696.
antibiotic sensitivity testing, clavulanic acid effects on, Bacteroides fragilis 9164.

9164.

9104: antibiotic sensitivity testing, clinical isolates, hysterectomy postoperative infection, man 9177. artibiotic sensitivity lesting, Proteus penneri 9162. antibiotic synergiam, arnikacin, antibiotic sensitivity testing, Pseudomonas soruginosa, Pseudomonas copacia, clinical isolates, cystic fibrosis, children

Streptococcus group B susceptibility 1381.
thienamycin, antibiotic antagonism, antibacterial activity, Pseudomonas aeruginosa 7442. vancomycln, antibiotic sensitivity testing, Streptococcus faecalis 4808.

corrosion, bacteria, fungi, air conditioning 4677. corrosion, sulfate-reducing bacteria, oil and gas industry, reviews 8411. Photoporus betulinus, fruit bodies, aktracts, antifungal activity 9201.

Pirlimycin, clindamycin analogs, synthesis, antibacterial activity 6543.

Piromidic acid,

Piromidic acid,

Agramonas salmonicida 8303.

drug sensitivity testing, Aeromonas salmonicida 8303.

tolerance, Nectria haematococca, detoxification relationship 431.

Places, seafood, food contamination, yeasts, bacteria 8712.

Placifikus
ectomycorrhizas, mycelia, inoculation, seedlings, Pinus banksiana 7227.
Placifikus tinctorius,
+ auxin, effects on roots formation, propagation, Pinus pinaster 5929.
ectomycorrhizas, colonization, seedlings, mines, soil, Pinus 8931.
ectomycorrhizas, effects on translocation, carbon sources, nitrogen sources,
photosynthesis, Pinus taeda 5572.
ectomycorrhizas formation, Coniferales seedlings, high-attitude environments,
mines 5547.

ctomycorrhizas, inoculation, stimulation, roots growth, seedlings, Pinus taeda 3908.

3908.
cetomycorrhizas, liquid culture, inocultum production 5937.
ectomycorrhizas, Pinus strobus, in vitro 5543.
effects on growth, photosynthesis, Pinus contorta 5538.
inoculation, rutrient uptake, phosphorus, nitrate, seedlings, Quercus rubra 8935.
inoculation, Quercus, methodology, reviews 831.
inoculation, stimulation growth, nutrient uptake, seedlings, greenhouses, Pinus 5667.

5567.
isolation, pure culture, methodology, nutrient requirements, reviews 829.
mycorrhizas, Coniferales seedlings, cold storage, ethylene, fungicides, effects
on survival 5581.
spores, inoculation, Coniferales roots, seedlings survival 5607.
spores, inoculum, Pseudotsuga menziesii, Abies concolor, Abies magnifica

Pisolithus tinctorius, (continued) var.shastensis 5579.

symbiosis, plants roots, measuring techniques, reviews 832. trees inoculum production methodology, reviews 830.

Platacla vers, shoot blight, Botrytis cinerea, fungicides, disease control 2896.

Plsum, varieties, Fusarium oxysporum f.sp.pisi wilt, field trials 1979.

Pisum sativum,

Naum sativum, disease resistance, epicotyl rol epicotyl rol 6287, disease resistance, epicotyl rol epicotyl rol 6287, disease resistance, Erysiphe polygoni powdery mildew 1978, disease resistance, polygalacturonase inhibitors, phytopathogenic fungi 7203, disease resistance, potor tot, Aphanomyces euteiches, stem rol, Phizoctonia solani, plant breeding 2852. Erysiphe polygoni infection, disease control 8107. Fusarium solani i.sp. pisi root rot, Pythium ultimum damping-off, disease control, use, Trichoderma virider I-fungicides 338. growth, nutrient uptake, inoculation, vesicular-arbuscular mycorrhizas 7257, indole-3-acetic acid role nodulation, nitrogen fixation, Rhizobium leguminosarum rifection. Mycosnabaeralia nipodes. Accests.

2167. Infection, Mycosphaerella pinodes, Ascochyta pini, phytotoxins isolation 2781. Infection, Mycosphaerella pinodes, Ascochyta pini, phytotoxins isolation 2781. Infection pini professional profe

2994: nodulation, Rhizobium, role nodulin gene expression 2981. nodules, glutamine synthase cross-reactivity, Rhizobium leguminosarum 3956. nodules, nitrogen tixation, Rhizobium, energy metabolism, electron transport

chain 2972.

nodules, nitrogen fixation, Rhizobium leguminosarum, factoron transport nodules, nitrogen fixation, Rhizobium leguminosarum, factors affecting 2987. phytotoxicity, altersolanol A, Alternaria solani 2813. plant breeding, Asochyta pinodella blight disease resistance, inheritance 5477. plant diseases, cucumber mosaic virus, bean yellow mosaic virus, amino acid composition 6227. protons, uptake, Cercospora beticola, toxins, inhibition 7122. Pythium seed rot, biological control, use, Trichoderma 2779. resistance, comparison, susceptibility cultivars, Erysiphe pisi development association 245. Rhizoctonia solani stam ret, disease, swistense 4044.

association 245.
Rhizoctonia solani stem rot, disease resistance 1201.
Rhizoctonia stem rot, factors affecting disease resistance 1199.
rhizosphere, Saprolegniacese, Pythiacase 8220.
roots, nodules proteins, Rhizobium leguminosarum interaction 4644.
seedlings, population dyvamics, Rhizobium leguminosarum 8233.
stunt Spiroplasma transmission, Euscelidius variegatus vectors 8030.
varieties, susceptibility, rust, Uromyces viciae-fabea 8774.
wiit, Fusarium oxysporum t.sp.pisi incidence 241.

Fusarium moniliforme var.subglutinans, Arthrobacter, biological control, Pinus 2918. Pitch canker,

2918. Fusarium moniliforme var.subglutinans, Pinus virginiana, disease resistance 5599. Pithium debaryanum, infection, seedlings, plants, disease control, cyanamide 3886. Pityogenes fossifrons, association, roots, plant diseases, pathogens, +Cronartium ribicola blister rust, Pinus monticola, USA, Idaho 8182.

+pork, mofongo, freezing, Staphylococcus aureus survival 7859.

+pork, morongo, rreazing, Stapnylococcus aureus surviva ross.

Plant breeding,
Agrobacterium tumefaciens crown gall, disease resistance, Vitis amurensis×
Vitis vinitera 8906.

Arachis hypogaea, disease resistance, Cylindrocladium crotalariae root rot 1171.

Ascochyta pinodella bilght disease resistance, inheritance, Pisum sativum 5477.
association Hordeum vulgare disease resistance, genetic analysis, powdery mildew

Avena sativa, disease resistance genetic screening, Puccinia coronata 5489. barley yellow dwarf virus disease resistance, inheritance, Avena sativa× Avena sterilis 8072.

Avena sterilis 807-z.

Avena sterilis 807-z.

Bortyta silli rot disease resistance, Allium cepa 5479.

Carthamus tructoria, disease resistance screening projects, Phytophthora cryptogea 7188.

Ceratocystis ulmi Dutch disease, disease resistance, Ulmus 8186.

Ceratocystis ulmi Dutch rabiei blight disease resistance screening projects

3863.

Cicer arietirum, disease resistance, blight, Ascochyta rabiei 3864.
Cicer arietirum, disease resistance, blight, Ascochyta rabiei 3865.
cross-breeding, cultural characteristics, Agaricus bisponus 8694.
cucumber mosaic virus disease resistance, Nicotiana tabacum, Taiwan 5480.
cultivars, disease resistance, Pieroe's disease, Vitis vinifera 8068.
cultivars, disease resistance, Pieroe's disease, Vitis vinifera 8064.
Cylindrocladium crotalariae, black rot, virulence, Arachis hypogaea genotypes

Cylindrociadum crotaiarias, pass, roll, muleitas, comparison 8084, disease control, plant diseases, books 1692, disease control, plant diseases, books 1692, disease resistance 2856, disease resistance, Africa, conferences, books 9349, disease resistance, Ascochyta rabiei blight, germplasm screening, Cicer arietinum 9002

disease resistance, Cajanus cajan 8899. disease resistance, coffee berry disease, Colletotrichum coffeanum, Coffea arabica 2873.

disease resistance, Colletotrichum lagenarium anthracnose, Fusarium oxysporum witt, Cultivars, Citrulius Ianatus 8905, disease resistance, conferences 3396, disease resistance, cropferences 3396.

disease resistance, crops 2875.
disease resistance, crops 8893.
disease resistance, crops 8893.
disease resistance, drops 8893.
disease resistance, developing countries, Solanum tuberosum 2874.
disease resistance, downy mildew, cultivars, Lactuca sativa 8801.
disease resistance, Dutch elm disease, blister rust, canker, Ulmus, Pinus,
Cypressus sempervirens 2870.
disease resistance, Erysipha graminis f.sp.hordei, powdery mildew, Denmark,
Hordeum vulgare 2880.
disease resistance, Erysipha graminis f.sp.hordei, powdery mildew, germplasm,
Hordeum spontaneum 5496.
disease resistance, Erysiphe graminis f.sp.tritlici, powdery mildew, Triticum

```
Plant breeding, (continued)
aestivum 8067.
```

disease resistance, etiology, plant diseases 1184, disease resistance, fungi, bacteria, viruses, Glycine max 5473, disease resistance, Fusarium oxysporum f.sp.elaeidis, wilt, Elaeis guineensis 2871

se resistance, Fusarium wilt, Meloidogyne infection, Lycopersicon esculentum

disease resistance, programment of the process of the sease resistance, content of the sease resistance genes, host-pathogen interactions, virulence genes, races, Puccinia graminis, Puccinia recondita, stem rust, Triticum aestivum 2858. disease resistance, Gibberelia zeae, ear rd, zearalenone, 4-deoxynivalenol, production, hybrids, Zea mays 1180. disease resistance, Hemileia vastatrix, leaf rust, genotype-environment interactions, host-pathogen interactions, Coffea arabica, Coffea canephora 2872. disease resistance, host-pathogen interactions, genotype-environment interactions, reviews, crops 2868. disease resistance, host-pathogen interactions, penotype-environment interactions, reviews, crops 2868. disease resistance, host-pathogen interactions, penotype-environment interactions, reviews, crops 2868. disease resistance, host-pathogen interactions, penotype-environment interactions, reviews, crops 2868. disease resistance, host-pathogen interactions, reviews 3871. disease resistance, host-pathogen interactions, reviews 3871. disease resistance, maize dwarf mosaic virus, field trials, Zea mays 5495. disease resistance, mize dwarf mosaic virus, field trials, Zea mays 5495. disease resistance, comparison, reviews, research programs 1178. disease resistance, Oryza sativa 2881. disease resistance, Oryza sativa 2881. disease resistance, phytopathogenic fungi, host-pathogen interactions, yenotype-environment interactions, crops 2865. disease resistance, phytopathogenic fungi, host-pathogen interactions, Vitis vinifera, Coffea, Cocos, Ficus carica 2869. disease resistance, phytopathogenic fungi, host-pathogen interactions, Vitis vinifera, Coffea, Cocos, Ficus carica 2869. disease resistance, phytopathogenic fungi, pennisetum americanum 8894. disease resistance, phytopathogenic fungi, pennisetum americanum 8894. disease resistance, phytopathogenic fungi, pennisetum americanum 8894. disease resistance, powery mildew, sporulation, meastrium, correlation triadimefon disease control, Erysiphe graminis 5502. disease resista

disease resistance, reviews 4576.
disease resistance, reviews 8095.
disease resistance, reviews 8095.
disease resistance, reviews 8892.
disease resistance, Rhynchosporium secalis scald, Erysiphe graminis powdery
mildew, Helminithosporium teres net blotch, Hordeum vulgare 316.
disease resistance, rice dwarf virus, Oryza sativa 7202.
disease resistance, scorch, Kabatiella caulivora, varieties, Medicago 6291.
disease resistance, scorching projects, isoenzymes 3872.
disease resistance, selection, Fusarium root rot, Trifolium pratense 6292.
disease resistance, Sorphum 8897.
disease resistance, Sorphum 8897.
disease resistance, Sorphum 8897.
disease resistance, Sorphum 8897.
Rosa 8096.

Rosa 8096

Hosa 6096. disease resistance, tobacco etch virus, potato virus Y, pepper mottle virus, cultivars, Capsicum annuum 8909. disease resistance, tropical environment, long-term effects, crop protection, agricultural ecosystems 1177. disease resistance, Uromyocs phaseoli, rust, Phaseolus vulgaris 3657. disease resistance, Uromyocs viciae-fabae, rust, Vicia faba 2882. disease resistance, USA, crops 2879. disease resistance, USA, crops 2879. disease resistance, Usthiago nuda var.tritici, loose smut, Triticum aestivum,

disease resistance, Ustitago nuda var.rmici, loose simut, Imicum aestivum, Triticale 1183.e, Verticillium dahliae wilt, Lycopersicon esculentum 2068. disease resistance, Vigna unguiculata 8898. disease resistance, wilt, Pseudomonas solanacearum, root rot, Phytophthora capsici, Capsicum annuum, Capsicum frutescens 8094. disease resistance, Xanthomonas campestris py.malvacearum, bilght, Gossypium hirsutum 2632.

hirsutum 2832. disease resistance, Xanthomonas campestris pv.manihotis, blight, Elsinoe brasiliensis infection, cultivars, Manihot esculenta 5497. disease resistance, Xanthomonas campestris, spot, Capsicum annuum 8903. disease resistance, Zambia, Timoum aestivum 2897. disease resistance, Zambia, Timoum aestivum 2897. disease resistance, Zambia, Timoum aestivum 2897. Erwina amylovora disease resistance, plan three-disease resistance, plan three-diseases resistance, plan three-diseas

Fusarium moniliforme infection, seeds, disease resistance, Zea mays 8074. gene frequency, disease resistance, Hordeum vulgare 2863. genetic engineering, disease resistance, plant diseases 1186. germplasm, disease resistance, Erawinia carotovora, 806t rol, Solanum tuberosum germplasm, disease resistance, Erawinia carotovora, 806t rol, Solanum tuberosum

7210. germplasm, disease resistance, plant diseases 1185. Glycine max, disease tolerance heritability, rot, Phytophthora megasperma i.s., glycinea 8085. Glycine max, disease tolerance selection, rot, Phytophthora megasperma i.s., glycinea 8079. Hemilea vastatrix rust disease resistance, Coffea arabica 6289. Hordeum spontaneum, enzyme polymorphism correlation powdery mildew disease resistance, Erysiphe graminis f.s.p. hordel 7209. Hordeum spontaneum, enzyme polymorphism correlation powdery mildew disease resistance, Erysiphe cichoracearum, powdery mildew, host-pathogen interactions, Curcurbita moschata 3862. inheritance, disease resistance, Erysiphe cichoracearum, powdery mildew, host-pathogen interactions, Curcurbita moschata 3862. inheritance, disease resistance, screening, Agrobacterium tumefaciens crown gall, Vitis amurensis × Vitis vinifera 8908.

Plant breeding, (continued)
inheritance, nodulation, Rhizobium, nitrogen fixation, Medicago sativa 2979.
Lycopersicon esculentum, genetic analysis, disease resistance screening projects, speck, Pseudomonas syringae pv.tomato 5482.
Malus pumila, disease resistance, Venturia inaequalis scab 2835
Medicago sativa, disease resistance, Phoma medicagnis black stem 4572.
Medicago sativa, selection, disease resistance, Sclerotinia trifoliorum plant
diseases. 5485

Medicago sativa, selection, disease resistance, Sclerotinia trifioliorum plant diseases 5485.

meristem tip culture, plant viruses, Issue culture, Solanum tuberosum 3859.

Musa, sigatoka disease resistance, Mycosphaerella Ilijensis var.difformis 3870. nitrogen-fixing bacteria, genetic engineering, plants, books, conferences 4243. nitrogen-fixing bacteria, mycorrhizas, biotechnology, books 9339.

Oryza sativa, disease resistance, blight, Xanthomonas campestris pv.oryzae 6298. Persica, powdery mildew visease resistance, genetic analysis, Sphaerotheca pannosa var.persicae 4570.

Phaseollus vulgaris, halo blight disease resistance ones. Pseudomonas

parnosa var persicae 45°T.

Phaseolus vulgaris, halo blight disease resistance genes, Pseudomonas phaseolicola 5481.

Pisum sativum, disease resistance, root rot. Aphanomyces euteiches, stem rot. Rhizoctoria solani 285°C.

powdery mildew disease resistance, Hordeum 2839.

protoplasts, disease resistance, plant viruses 3786.

Prunus persica, disease resistance screening projects, inoculation methodology, Cytospora leucostoma 5481°Sease resistance, inheritance, Triticum 5476.

Rubus idaeus, disease resistance, inheritance, Botrytis cinerea, Didymella applanata 3869.

seedlings, growth, Sphaerotheca pannosa powdery mildew disease resistance, plant breeding, Rosa multiflora 8904.

Solanum, disease resistance, plant viruses 2837.

solanum tuberosum, blackleg disease resistance screening projects, Erwinia carotovora subsp. atroseptica 5483.

speck, Xanthomonas campestris pv.vesicatoria, disease resistance, cultivars, Lycopersicon 2829.

speck, Xaniriomonas campbans privasitationa, insecso restoanae, curve Lycopersicon 2829. Itobacco etch virus disease resistance, cultivars. Capsicum annuum 8902. Triticum aestivum, disease resistance, brown rust, Puccinia triticina 5486. Triticum aestivum, virulence genes, stem rust, Puccinia graminis f.sp.tritici

4239.

urdbean leaf crinkle virus disease resistance, Vigna radiata 2071.

vegetables, disease resistance, plant viruses 3856.

Vicia faba, disease resistance screening projects, bean yellow mosaic virus 3873.

Vigna unguiculata, nitrogen fixation 1271.

wheat mosaic virus disease resistance screening projects, seedlings, Triticum aestivum 4574.

witt, Verlicillum wilt, cultivars, Lycopersicon esculentum 1178.

Xanthomonas campestris pv.malvacearum, blight, Gossypium hirsutum, reviews 3846.

Plant cells,

Plant cells, cell culture, biotechnology, books 5091. cell culture, biotechnology, books 5091. cell surface interaction, crown gail, Agrobacterium tumefaciens 8854. monosaccharides, phytopathogenic fungi host-pathogen interactions, in vitro growth 7125. Plant deboris, in the decomposition, humus production, Pinus pumila, microorganisms 3952. Plant diseases, abullion mosaic virus, Abutilon, seasonal variations, chloroplasts ultrastructure.

Agrobacterium, diagnosis, characterization 3778. alfalfa mosaic virus, Vicia faba, Aliette effects on pathogenesis 4591. avocado sunblotch disease viroid, Persea americana, detection, electrophoresis

4525.
bacteria, Australia 3769.
bacteria, diagnosis 3780.
bacteria, diagnosis (3780.
bacteria, idengiosis, books 4235.
bacteria, identification, phage typing 3770.
bacteria, research programs 1100.
barley yellow dwarf virus, susceptibility, Zea mays 4513.
Basidiomycetes, pathogenesis, Zea mays, Arachis hypogaea, Glycine max, Phaseolus vulgaris 1111.

vulgaris 1111. beet mosaic virus, Beta vulgaris, etiology, Albania 6259. beet western yellows virus, Beta vulgaris, Lactuca sativa, Brassica, Israel 4539, Beta vulgaris, roots, plant viruses, vectors, Polymyze betae, British Isles 7190. biological control, soli microorganisms, Myxobacterales, yais, Rhizoctonia soliani hyphae, Cochilobolus mina, Myxobacterales, yais, Rhizoctonia soliani hyphae, Cochilobolus mina, Erwinia herbicola, diagnosis 3776. chamical control, apidemiology mathematical models, reviews 4496. Cochilobolus victoriae conidia, virulence, soil 1090. conferences 7644.

conferences 7644,
conferences, bacteria, viruses, phytopathogenic fungi 9350.
Coniferences, bacteria, viruses, phytopathogenic fungi 9350.
Coniferences, tungi effects on growth, USSR 5603.
Corynebacterium, diagnosis, characterization 3777.
Corynebacterium michiganense subsp.michiganense, identification, Lycopersicon esculentum cotyledons lesions 1158.
Corynebacterium sepedonicum, immunodiagnosis, fluorescent antibody test, books 3385.

3385.
cowpea middle mottle virus, Glycine max, ultrastructure, leaves cells 4505.
cowpea midd mottle virus, Arachis hypogaea, epidemiology 6235.
cowpea severe mosaic virus serohypes, Vigna unguiculata 6224.
crops, viruses, control, ecological evaluation, reviews 3764.
crops, weather projections 1098.
crops, yield reduction 1092.
crops, yield reduction 1093.
crops, yield reduction 1094.
crops, yield reduction 1094.
crops, yield reduction 1094.

crops, ýleid reduction 1094.
crops, yield reduction 1094.
crops, yield reduction, mathematical models, conferences 849.
diagnosis, mimunofluorescence, Erwinia amylovora 2773.
diagnosis, radioimmunoassay, monoclonal antibodies, hybridoma, soybean mosaic virus, lettuce mosaic virus, sielzed warf mosaic virus 4998.
disease control, agricultural practices, biological control 1188.
disease control, cost-benefit analysis, research programs 1192.
disease control, management 1216.
disease control, mathematical models 1105.
disease control, research programs, international organizations 1194.
disease resistance, germplasm, plant breeding 1185.
disease resistance inducers 4571.

Plant diseases, (continued)
disease resistance, plant breeding 1187.
disease resistance, plant breeding 1180.
disease resistance, plant breeding 1180.
disease resistance, plant breeding 190.
disease resistance, plant breeding, cost-benefit analysis 1191.
disease resistance, plant breeding, cost-benefit analysis 1191.
disease resistance, plant breeding, penetic engineering 1186.
disease spread, disease control, quarantine 1193.
disease spread, disease control, quarantine 1193.
disease spread, disease control, genes 4579.
disease spread, disease control, genes 4579.
disease spread, phytopathogenic fungi, computer applications, remote sensing, video imaging 236.
disease spread, phytopathogenic fungi, computer applications, force opidemicology, air spora, samplers 804.
epidemicology, air spora, samplers 804.
epidemicology, disease control, plant breeding, books 1692.
epidemicology, disease control, plant breeding, books 1692.
epidemicology, monitoring, meteorology 1097.
epidemicology, monitoring, meteorology 1110.
Erwinia amylovora, Rosa belgium 5461.
Erwinia contovora subsparatoseptica, detection, enzyme immunoassay 8464.
Erysiphe graminis f.sp.hordel, host-pathogen interactions, relative humidity effects on 1962.
etiology, disease resistance, plant breeding 1184.
field trials, fungi, incoulum media (culture) 5400.
Fragaria, fungi, viruses, books 1687.
fungi, control, reviews 2843.
fungi, epidemiology, diagnosis, pathology 1101.
grupi, epidemiology, diagnosis, pathology 1101.
fungi, prophylaxis, disease control (1251.
fungicides, disease control 1215.
fungicides, disease control 1 Plant diseases, (continued)
Clerodendrum 5535.
plant viruses, tissue culture, disease control 5397.
plant viruses, tropical environment 1965.
population genetics, evolution, host-pathogen interactions 1106.
potato virus Y, disease transmission, Myzus persicae, β-famesene derivatives
effects on 5401.
potato virus Y, pathogenesis, Solanum nigrum var.judaicum 6263.
predictions 1104.
Pseudomonas, diagnosis, characterization 3774.
Pseudomonas sinacearum, soil, population dynamics 6218.
Pseudomonas syringae, toxinis biosymthesis 6209.
Pseudomonas syringae, variants, pathogenesis 3773.
Pseudomonas, Triticum easitivum roots, susceptibility 6242.
Pythium aphanidermatum, biological control, Tichoderma harzianum 4589.
rainfall, spores dispersal, Pseudocercosponella herpotrichoides, Pyrenopeziza
brassicae 1109.
Rickettsia-like organisms, mycoplasma-like organisms 3771.
roots, Persea americana, metalaxyt, efosite-Al, antifungal activity, Phytophthora
climamomi 8923.
Rosa, books 1868. cinnamorni 8923.

Rosa, books 1686.

Saudi Arabia, bacteria, phytopathogenic fungi, plant virusas 5399.

Sclerotinia tritoliorum, disease resistance, selection, Medicago sativa 5485.

Seletoria spraguei, Pyrenophora trichostoma, Cochiiobolus sativus, incidence, Elymus junceus 1134.

soil-borne diseases, biological control, suppressive soils 330.

soil-borne diseases, biological control, suppressive soils 332.

Solanum tuberosum, bacteria, fungi, viruses, books 3380.

Solanum tuberosum, funcioides, soil amendment, disease control, Verticillium dahilae, Globodera rostochiensis 8121.

Solanum tuberosum, Rhizotochia solani, biological control, Verticillium biguttatum 5514. biguttatum 5514.

tobacco mosaic virus, Nicotiana tabacum, inhibitors, antiviral activity 4575.

tobacco mosaic virus, ribonucleoproteins, role, disease transmission, characterization 862c.

tomato yellow lea forms, cytology, Lycopersicon esculentum 4542.

tomato yellow lea forms, cytology, Lycopersicon esculentum 4547.

Trifolium subterraneum, Heterodera daverti, interaction, Fusarium avenaceum, Fusarium oxysporum 5411.

tungro virus, Oryza sativa, pathogenesis, yield 4514.

turgrass, phytopathogenic fungi, books 1688.

Typhula incarneta, monokaryons, morphology, infectivity, phytotoxicity 2770.

Verticillium dahliae, 2 Solanum tuberosum, roots growth 5460.

Vicia faba, books 4236.

viroids 7919. virulence, Geotrichum candidum, extracellular enzymes activity 7128. virulence, Citrus macrophylla, Glomus etunicatus symbiosis effects on pathogenisis 4635. 4633.
viruses, etiology, pathology, Phaseolus limensis 8775.
viruses, research programs 1099.
watermelon mosaic virus, Cucumis sativus, Lagenaria siceraria, host range, disease transmission. Morocco 6270.
Xanthomonas, pathogenesis, variants 3772.
yellow mosaic virus, Phaseolus aureus, disease control, vectors, Aleyrodidae Helianthus annuus, Sclerotium roffsii, biological control, Trichoderma harzianum 4586.
Helianthus tuberosus, effects on yield, Puccinia helianthi, Erysiphe cichoracearum, Sclerotium roffsii 5457.
hop stunt disease virus, Cucurbitaceae, pathogenesis 4543.
hop stunt disease virus, Cucurbitaceae, pathogenesis 4545.
host-pathogen interactions, alternaria toxins, reviews 5393.
host-pathogen interactions models, computer applications 3767.
host-pathogen interactions, reviews 4494.
host-pathogen interactions, virulence 3765.
immunodiagnosis, plant viruses, comparison, methodology 7915.
Imperata, Gibberella imperatae sp.nov., characterization 7950.
integrated control 1217.
Marssonina, Populus, pathogenesis 5596.
microorganisms, diagnosis, genetic engineering, electrophoresis, monoclonal antibodies, methodology 7921.
microorganisms, ecosystem analysis, isolation, media (culture), measuring techniques, reviews, books 5092.
microorganisms, virulence, pathology, reviews 4492.
molds, Gramineae, reviews 5430.
mycoplasma-like organisms, isolation, enzymes digestion, phloem 281.
Mycosphaerella filjensis, funglicides, disease control, Musa sapientum, Musa paradisiaca 8914. yield reduction, mathematical models, predictions 238, yield reduction, mathematical models, remote sensing, world 261, yield reduction, predictions, measuring techniques, mathematical models, crop yieio reduction, predictions, measuring techniques, mathematic fields 239. zucchini yellow mosaic virus, Cucumis sativus, Lebanon 4544. zucchini yellow mosaic virus, Cucurbitaceae, USA 6269. Plant extracts, Citrullus colocynthis, Corchorus depressus, Fagonia cretica, Lycium barbarum, antimicrobial activity 8339. Plant viruses, antiviral activity, Clerodendrum plant extracts, foliar application, plant diseases 5535. diseases 5555. antiviral agentis, effects on 4024. binding, enzyme-linked immunosorbent assay methodology 8440. detection, immunoelectron microscopy methodology, gold+immunoglobulin G complex disease resistance plant breeding, Cajanus cajan 8899.
disease resistance, plants, interferon like compounds 4573.
disease resistance, plants, interferon like compounds 4573.
disease resistance, Solanum, plant breeding 2857.
disease resistance, vegetables, plant breeding 3856.
disease transmission, Nematoda vectors 6217.
host-pathogen interactions, plants genomes, structure-activity relationships, books, conferences 3391.
hydrangea mosaic virus, isolation, Hydrangea macrophylla, antigenic characteristics 2017.
immunodiagnosis, plant diseases, comparison, methodology 7915.
infection, diagnosis, spot hybridization, crops 7924.
infection, diefects on Phizocibium nodulation, nitrogen fixation, Leguminosae, reviews 8780. 8439. Mycosphaerells fijlensis, fungicides, disease control, Musa sapientum, Musa paradisiaca 8914, anycotoxina, role, Fusarium, reviews 7100.

Mycosphaerella fijlensis, fungicides, disease control, Musa sapientum, Musa paradisiaca 8914, anycotoxina, role, Fusarium, reviews 7100.

Mycotoxina, role, Fusarium, reviews 7100.

Mycotoxina, role, Fusarium, reviews 7100.

Mycotoxina, role, Fusarium, reviews 7100.

Papaya leaf reduction virus, Cancia papaya, biochemical characteristics association pathogenesis 8812.

papaya mosaic virus, Carica papaya, etiology 4524.

pathogenicity, Macrophomina phaseolina, fungicides effects on 7211.

pathogenicity, Spiroplasma 4498.

pathogens, indicorganisma 4498.

pathogens, bacteria, identification 3779.

pathogens, blodojcal control, bacteria, fungi, plant viruses 4231.

pathogens, biological control, bacteria, fungi, plant viruses 4231.

pathogens, pollution effects, acid rain 7920.

pathogens, pollution effects, acid rain 7920.

pathogens, pollution effects, acid rain 7920.

pathogens pollution effects, acid rain 7920.

Phytopathogenic fungi, disease resistance, host-pathogen interactions, mathematical models, population rodels, 7020.

Phytopothora, antifungal activity, phosphorous acid, efosite-Al 8124.

Phytopothora, antifungal reviews 9780. Inflection inductation, introder invarion, teguminosae, reviews 9780. Inflection, Leguminosae 6238. Inflection, Leguminosae 6238. Inflection, protoplasts, models 3765. Inflection, Scaphylopius cautus disease transmission, buds proliferation, Glycine max, USA, Louisiana 4510. Inflection, Vigna radiata, Vigna umgo, metabolites concentration 2776. Inflection, Vigna radiata, Vigna umgo, Solarum tuberosum 8777. Leguminosae, erzyme-linked immunosorbent assay detection 7827. Leguminosae, erzyme-linked immunosorbent assay detection 7827. Leguminosae, erzyme-linked immunosorbent assay detection, 1885. Malus, infection, Joint with the properties of the second formation of the control of the control

Plant viruses, (continued)

plant diseases, Saudi Arabia 5399.
plant diseases, Issue culture, disease control 5397.
plant diseases, tissue culture, disease control 5397.
plant diseases, iropical environment 1965.
plants, books, conferences 4243.
Polymyxa betae vectors, plant diseases, roots, Beta vulgaris, British Isles 7190.
potexvirus, host range, infectivity, characterization 234,
protoplasts, disease resistance, plant breeding 3766.
quantitation, enzyme-linked immunosorbent assay methodology 8445.
Ribbes, Finland 6268.
RINA replication, actinomycin D sensitivity. Visca conscious RNA replication, actinomycin D sensitivity, Vigna unguiculata leaves infection

7931.

Rubus idaeus, North America 6256.
vectors, Delphacidae, Cicadellidae, disease transmission 7157.

Plantago lanceolata,
Fusanum moniliforme var.subglutinans infection, spatial distribution,
relationship, incidence 7192.
rhizosphere microorganisms, community composition, mixed culture, Lolium perenne,
Trifolium repens 372.

Ptantago major, plant breeding, disease resistance, leaf streak, Mycosphaerella fijiensis 8077. Ptantations,

retritations, coffee arabica, eyespot, anthracnose, Cercospora coffeicola, shading, rainfall, seasonal variations 273. ectomycorrhizas, fruit bodies formation, environmental factors, Suillus luteus, Pinus radiata 5571.

Pinus radiata 5571.
ectomycorritzas inoculation, Quercus robur, Quercus petraea 7220.
Hevea, denitrification, soil 6356.
Juglans cinerea, Sircococcus clavigignenti-juglandacearum canker disease spread, pathogenicity 7991.
Juglans nigra, anthracnose epidemics incidenie, USA, Illinois 7995.
leaf litter decomposition, nutrient cycles, soil microorganisms, Coffea arabica

5624

Pinus, Heterobasidion annosum, genetic markers, mating types, epidemiology 367 vesicular-arbuscular mycorrhizas population levels, roots colonization, Coffea

Planting, datas effects on, yield, Cephalosporium gramineum, stripe, USA, Kansas, Triticum aestivum 7974, aestivum 7974. aesuvuri 1914. seedings, ihibition ectomycorrhizas, Plcea sitchensis 5566. seeds, Bradyrhizobium japonicum inoculation, nodulation, Glycine max 6352. timing, effects on Scierotinia scierotiorum, stem rot, wilt, Cicer arietinum 5412.

Planting density, Hordeum vulgare, crop fields, relationship barley yellow dwarf virus incidence

paddy fields, vertical distribution, rhizosphere microorganisms, nitrogen-fixing bacteria, nitrogenase, Oryza sativa 7281. time, effects on, leafspot, Cerrospora canescens, pathogenesis, Phaseolus mungo

Plantiets,
Alnus glutinosa, nodulation, Frankia 4601

**Plants** artificial symbiosis, L form bacteria 6345

artinical symbiosis, L form bacteria 6345
Aulaconthum solani, hybridization analysis, detection, subterranean clover red
leaf virus, methodology 4151.
blight, Xanthomonas campestris pv.malvacearum, pathogenicity 7923.
cell walls digestion, rumen microorganisms, reviews 3669.
crown gall, opines utilization, Pseudomonas, Agrobacterium tumefaciens 7131.
crown gall, silver nitrate statining tumors, Agrobacterium tumefaciens 4534.
crown gall tumors induction, role, Agrobacterium tumefaciens cell surface
carbohyticates 8768. crown gail tumors induction, role, Agrobacterium tumefaciens cell surface carbohydrates 8768. disease resistance, cross-protection, induction resistance, reviews 5484. disease resistance, interferon like proteins 6288. disease resistance, plant viruses, interferon like compounds 4573. disease resistance, proteinase inhibitors, phytoalexins 8900. essential oils, effects on, yeasts, association, heat shock 3064. Frankia infectivity, actinorrhizas, herbicides effects on 2123. frost, los nucleation bacteria 4556. genetic engineering, nitrogen-fixing bacteria, plant breeding, books, conferences 4243.

4243.
genomes, structure-activity relationships, nitrogen fixation, nitrogen-fixing bacteria, plant viruses, host-pathogen interactions, books, conferences 3391. growth regulators, effects on Azospirillum 7272. growth regulators, production, Fusarium 3944. host specificity, mycorrhizas, characterization 9974. host-pathogen interactions, bacteria, reviews 4497. ice nucleation, bacteria 3781. incoulum potential, competition, fileaspora decinions. Gloruss fasciculatum, Gloruss fasci

inoculum potential, competition, Gigaspora decipiens, Giomus fasciculatum, Glomus

tenue 8973.
inoculum potential, Glomus tenue, Glomus fasiciculatum, Glomus inoculum potential, Glomus tenue, Glomus fasiciculatum, Gigaspora decipiens 8972, interaction, nitrogen-fixiting bacteria, nitrogen fixation, biochemical characteristics, genetic control, books 9346.
interaction, Phizobium, nitrogen fixation, reviews 4659.
lectins binding, actinorthizas, Frankia 4602.
microorganisms symbiosis, introgen fixation measurements, soil diffusion 411.
mycormizas symbiosis, ionizing radiation effects on 8978.
nitrogen fixation, measuring techniques, association gases diffusion, plastics 2949.
phitogen fixation, symbiosis, solitorestina 2000.

2949.

nitrogen fixation, symbiosis, actinorrhizas 9009, nitrogen fixation, symbiosis, actinorrhizas 9009, nitrogen fixation, symbiosis, actinorrhizas 9009, nitrogensae activity measuring techniques, soil microorganisms 1276, nutrient uptake, microsphere microorganisms, mycorrhizas 5627, pathogens, bacteria, hormones, mediation, tumorigenesis 8856, pathogens, biological control, books 844, pathogens, biological control, books 844, pathogens, Nematoda, interaction, endomycorrhizas, reviews 392.

Phollinus punctatus incidence, USA, North Dakota 3838.

Phomopsis asymptomatic infection, taxonomic significance 7129, phytopathogenic fungi diseases, India, conferences 2547, population dynamics, Phizobium japonicum 1272, powdery mildew, Erysiphales, epidemiology, spectrophotometry 7917, protoplasts, plant viruses infection, models 3765, response association vesicular-arbuscular mycorrhizas, environmental effects, reviews 390. reviews 390.

response, mycorrhizas, books 843. rhizosphere, interaction, microorganisms, characterization, reviews 4627

Plants, (continued) roots, Bradyrhizobium japonicum attachment mechanisms, capsules polysaccharides 7275.

7275.

roots, ectomycorrhizas symbiosis, measuring techniques, reviews 832.
roots, mycorrhizas, reviews 5647.
roots pathogens, fungi, interaction, ectomycorrhizas, reviews 393.
roots, vesicular-arbuscular mycorrhizas infection, statistical analysis 1254.
roots, vesicular-arbuscular mycorrhizas, measuring techniques, reviews 825.
seedlings, infection, Rhizoctonia solani, Pithium debaryanum, disease control,
cyanamide 3866.

cyanamide 3886.
soft rot, Erwinia carotovora, characterization 3775.
soil microorganisms, powdery mildew disease control fungicides effects on 2078.
symbiosis, mycorrhizas, books 3382.
tissues, protopiasts, tobacco mosaic virus RNA detection, hybridization analysis,
enzyme-linked immunosorbent assay 4499.
tobacco mosaic virus infection, hypersensitive response, proteins analysis 7916.
toxins, effects on biodegradation, microorganisms 8970.
Uromyces phaseoli infection, appressoria formation, factors affecting 1964.
vesicular-arbuscular mycorrhizas determination, Argentina, soil types association 3939.

vesicular-arbuscular mycorrhizas inoculation, methodology, reviews 827. vesicular-arbuscular mycorrhizas symbiosis effects on, measuring techniques,

reviews 389. roids, viruses, detection, electrophoresis methodology 4152.

white rot, Sclerotium cepivorum, host range 1156

white rof, Sclerotium cepivorum, host range 1156. 
laque assay, 
black beetle virus 7559. 
bovine rhinotrachetiis virus, tissue culture systems 4155. 
development, viruses infection, Chlorella cell culture 592. 
development, viruses infection, Chlorella cell culture 592. 
development, viruses infection, Chlorella cell culture 592. 
development, viruses infection, Chlorella cell culture 593. 
phages detection, Escherichia coli, methodology, water 2403. 
rotavirus (bovine) 6735. 
Sindbis virus 632. 
use, methylocillulose media, murine leukemia virus 2444. 
viruses, use, letrazolium blue staining 9275. 
laques.

Plaques,

laques,
foot-and-mouth disease virus, characterization, vaccines production 3183.
formation, dengue virus infectivity assays, cell lines 8450.
phage à, use, screening, antigens 624.
fasma membranes,
bacteroids. Rhizobium, role nitrogen fixation, nodules, Leguminnsee 2976.
Dictyostelium discoideum, isolation methodology 4224.
energy metabolism, active transport, sodium dodecyl suffate inhibition,
Enterobacter cloacae 7549.

ergosterol effects on, miconazole antifungal activity, Candida albicans 4757.

glycoproleins receptors. Bacillus fluringiensis subsp.kurstaki 8-endotokin binding, cytotokidy, Choristoneura furniferana 5387. mycolaminaran receptors, Phytophthora, stimulation phytoalexins production, Glycine max 2075.

501.4. Suppose the probes, immunoassays, detection, Neisseria meningitids antibodies 3325. tripoptidyl polyoxins transport, antifungal activity, Candida albicans 458. vacuoles formation, miconazole, antifungal activity, Trichophyton mentagrophytes 9109.

9199.

Plasmids,
analysis, Salmonella typhimurium, phage typing, drug resistance patterns,
clinical isolates 4690.
analysis, Serratia marcescens antibiotic resistance 4000.
analysis, Serratia marcescens antibiotic resistance 4000.
antibiotic resistance, gentamicin, transposition, Staphylococcus aureus 9066.
antibiotic resistance, Klebsiella pneumoniae, conjugation, Serratia marcescens
4716.

antibiotic resistance, Lactobacillus helveticus, Lactobacillus bulgaricus 2202. antibiotic resistance mediation, Salmonella typhi, chloramphenicol, trimethoprim, ampicillin 7322.

ampicillin 7322. bacteria, spenetic markers, culture collections, computer programs 756. bacteria, isolation, methodology 8479. bacteria, screening methodology 745. biodegradation, ethylbenzene, 1-phenylethanol, Pseudomonas fluorescens 4425. biodegradation, ethylbenzene, 1-phenylethanol, Pseudomonas fluorescens 4425. cloring vectors, DNA integration methodology 628. cloning vectors, pene expression 3403. Clostridium difficile, correlation, antibiotic sensitivity testing, toxigenicity

Cochliobolus heterostrophus DNA, isolation methodology 3365.

correlation, antibiotic resistance, aminoglycoside antibiotics, Mycobacterium fortuitum 7342.

R factor incidence, Salmonella antibiotic resistance 6430.

Ratcor, inforderror, calmonent ambiguite research 6-93.

Ratcor, firthoruran resistance, Escherichia coli clinical isolates 8294.

Ratcor RK2, gene transfer, drug resistance, gram-negative bacteria 6428.

Ratcor R1, antibiotic resistance, Shigelia 6438.

Ratcor R1, transformation, drug resistance, Escherichia coli 7337.

Ratcor R124, effects on membrane permeability, outer membranes, membrane

Plasmids, (continued)
proteins, antibacterial agents sensitivity, Escherichia coli 4724.
R factor R773, homology, R factor R46, arsenic acid, resistance, Escherichia coli

R factor TP120, transformation, drug resistance, Escherichia coli 7337. R factors, antibiotic resistance, clinical isolates, Klebsiella, Escherichia coli 5700

F709.

R factors, dribiotic resistance, Enterobacteriaceae 4002.

R factors, antibiotic resistance, Pseudomonas aeruginosa, transfer, Escherichia coli clinical isolates, neonates, man 9043.

R factors, drug resistance, Vibro anguliarum 3989.

R factors, drug resistance, Vibro anguliarum 3989.

R factors, drug resistance, Vibro anguliarum 3989.

R factors, dectrophoresis, antibiotic resistance, epidemiology, clinical isolates, Salmonella typhi 4001.

R factors, Enterobacteriaceae, antibiotic sensitivity testing, clinical isolates, nosocomial infection 4693.

R factors, Escherichia coli animal isolates, antibiotic resistance, relationship antibiotics, feeds 4003.

R factors, Escherichia coli, antibiotic resistance, dogs isolates 3010.

R factors, Escherichia coli, antibiotic resistance correlation 1313.

R factors, Escherichia coli, drug resistance, incidence, animals isolates, R factors, Escherichia coli, drug resistance, incidence, animais isolates, cilnical isolates 3021.

R factors, gene transfer, mercury resistance, bacteria, soil microorganisms 5717.

R factors, incidence, artibiotic resistance, Escherichia coli, relationship antibiotics treatment, diarrhea, man 3034.

R factors incidence, Escherichia coli, Salmonella, drug resistance patterns 3039.

R factors, nitrofuran reductase, nitrofurantoin drug resistance, Escherichia coli.

3029

3029.

Ractors, physicochemical properties, antibiotic resistance, Escherichia coli, Shigiella sonnei 4894.

Ractors, plasmid pKMR, antibiotic resistance, Escherichia coli 4699.

Ractors, Pseudomonas, isolation, antibiotic sindustrial wastes production, antibiotic resistance 200.

Ractors, teresistance 200.

Ractors, terasycline antibiotic resistance, Escherichia coli 2206.

Ractors, transfer, antibiotic resistance, Staphylococcus aureus 9044.

Ractors, transfer, antibiotic resistance, water isolates, Salmonella, waste commenced antibiotic resistance, antibiotic resistance, water solates, Salmonella, waste commenced antibiotic resistance. R factors, plasmid pKMR, antibiotic resistance, Escherichia coli 4699.
R factors Pseudomonas, isolation, antibiotic resistance 2020.
R factors, terracycline antibiotic resistance, Escherichia coli 2206.
R factors, transfer, antibiotic resistance, Staphylococcus aureus 9044.
R factors, transfer, antibiotic resistance, Staphylococcus aureus 9044.
R factors, transfer, antibiotic resistance, water isolates, Salmonella, waste water, surface water 9046.
gene mapping, aminocyclitol phosphotransferase, antibiotic resistance, hygromycis, penetic analysis, hydrocarbons biodegradation, pseudomonas putida 1008.
genetic analysis, hydrocarbons biodegradation, reviews, hydrocarbon-degrading bacteria 8284.
genetic analysis, hydrocarbons biodegradation, reviews 8279.
genetic antibiotic resistance mediation, Staphylococcus aureus 7327.
heletorgenetiky, flow cytometry, Escherichia coil 662.

Hattors, transfer, antibiotic resistance, water isolates, Salmonella, waste stance, hygromycin prophylaxis, postoperative infection, bacteria, man 4958.

Hutorine compounds, indictaria surbacterials, corrosion, Pseudomonas aeruginosa 4965.

Hutorine compounds, indictaria surbacterials, corrosion, Pseudomonas aeruginosa 4965.

Hutorine compounds, indictarial restorative materials, corrosion, Pseudomonas aeruginosa 4965.

Hutorine compounds, indictarial surbacterials, corrosion, Pseudomonas aeruginosa 4965.

Hutorine compounds, indictarial restorative materials, corrosion, Pseudomonas aeruginosa 4965.

Hutorine compounds, indictarial restorative materials, corrosion, Pseudomonas aeruginosa 4965.

Hutorine compounds, indictarial surbacterials, corrosion, Pseudomonas aeruginosa 4965.

Hutorine compounds, indictarials, corrosion, Pseudomonas aeruginosa

bacteria 8284.
genetic control, aromatic compounds biodegradation, reviews 8279,
gentamicin antibiotic resistance mediation, Staphylococcus aureus 7327.
heterogeneity, flow cytometry, Escherichia coll 652.
heterogeneity, flow cytometry, Escherichia coll 652.
hydrocarbors biodegradation, Pseudomonas aeruginosa 4683.
hydrocarbors oxidation, wastewater treatment, role, Acinetobacter lwoffi 7309.
Inc plasmid, physicochemical properties, antibiotic resistance, Escherichia coli,
Shigella sonniel 4694.
Inc plasmids, antibiotics, effects on, Enterobacteriaceae, antibiotic resistance
6423.

inc plasmids, andionicis, energos on, Enteriopacreniaceae, ambionic resistance

423.

Inc plasmids, Plasmid pKMR, antibiotic resistance, Escherichia coli 4699.

Inc plasmids, R factors, antibiotic resistance, Shigella sonnel 4691.

Isolation methodology, Lactobacilius plantarum 4170.

Iac plasmid, protopiast fusion, dairy starters, Streptococcus lactis 8702.

β-lactamase, antibiotic resistance, Enterobacteriaceae 6290.

Legionella preumophila, epidemiology, water supplies, Legionnaire's disease 4949.

Iniear colning vectors, construction, yeasts 818.

Inisia antibiotic resistance, phage c2 resistance, transformation, Streptococcus lactis subsp. diacetylactis, dairy starters 2196.

plasmid pCAP2, Escherichia coli, gene expression, Bacillus β-lactamase 894.

plasmid pCAP2, Escherichia coli, gene expression, Bacillus β-lactamase 894.

plasmid pCAP3 transfer, Streptococcus faccium, bacteriocins, biosynthesis, resistance 1418.

plasmid pKMR, antibiotic resistance, Escherichia coli 4699.

plasmid pKMR, antibiotic resistance, Escherichia coli, Shigella sonnei 4694.

plasmid pKMR, antibiotic resistance, Escherichia coli, Slamonella typhimurium, amprollum, effects 7324.

plasmid pKM101, artibiotic resistance, Escherichia coli, Salmonella typhimurium, amprolium, effects 7324, plasmid pKM101 effects on DNA repair, Salmonella typhimurium, Ames test 3328. plasmid pLM11 Bacillus lichaniformis transformation, β-lactanase, gene expression, temperature effects on, Bacillus stearothermophilus 6543. plasmid pLZ64, transformation, genes, lactose metabolism, 6-phospho-β-D-galactoslase, Lactobacillus casel 5345. plasmid pMG110 elimination, novobiocin role, Escherichia coli 5797. plasmid pSa effects on Agrobacterium, adherence, virulence 1966. plasmid pSis effects on Agrobacterium, adherence, virulence 1966. plasmid pSis sid 46. plasmid pSis plasmid pTiA, induction, tumors, comparison, host range 8666. plasmid pTiAg63, plasmid pTiA6, induction, tumors, comparison, host range 8666. plasmid pTiG93, plasmid pTiA6, induction, tumors, comparison, host range 8666. plasmid pTiG10 plasmid pSiC16, transformation, Bacillus sphaericus, sporulation, biological control, Cluicidae 26565. plasmid RP4, tetracycline, antibiotic resistance, continuous culture, Escherichia coli 7351.

coii 7351.
plasmid 2<sub>h</sub>, use, gene mapping, actin genes, chromosome 6, Saccharomyces cerevisiae 6788.
Rhizoblum mellion, role, nodulation, nitrogen fixation, Medicago sativa, gene mapping, reviews 4660.
role turimycin production, streptomyces hygroscopicus 3147.
sliver resistance, Pseudomonas stutzeri, mines isolates 4698.
spread, Staphylococcus drug resistance, phages role 9070.
stability, regulation, feedback inhibition, chemostats, methylotrophic bacteria

Study viococcus aureus, extraction micromethods 7599.
Streptococcus, macrolide antibiotics, antibiotic resistance, host range 3025.
Ti plasmid, opines mediation gene transfer, Agrobacterium tumefaciens, host

Ti plasmid tumorigenesis Solanum nigrum, Agrobacterium tumefaciens 2819 Ti plasmid vectors, Rhizobium meliloti nod gene, gene expression, nodules

Plasmids, (continued) formation, Agrobacterium tumefaciens, Escherichia coli 6366.
ToL plasmid, biodegradation, aromatic hydrocarbons, chlorination, Pseudomonas cepacia, Pseudomonas 5313.

TOL plasmid, pollutants biodegradation, genetic engineering, reviews, bacteria 4435.

transfer, antibiotic resistance, antibiotic sensitivity testing, reviews,

transfer, antibiotic resistance, annioriotic sensitivity testing, reviews, anaerobic bacteria 7335, transformation, penicillin amidase, DNA, Bacillus megaterium, production 95. transmission, antibiotic resistance, gentamicin, Enterobacteriaceae, isolation, waste water 9076.

Vibrio cholerae, gene transfer, antibiotic resistance, clinical isolates, man, India, Tamil Nadu 6400.

virulence, Yersinia enterocolitica 6781.

Plasmodia, Physarum polycephalum, microfilaments, proteins, isolation, chracterization 5954. Plasmodiophora brassicae, clubroot, aritfungal agents, disease control, disease resistance, Brassica 8912. clubroot, disease resistance inheritance, Brassica napus, Brassica oleracea 300. clubroot, disease resistance, plant breeding, germplasm, Brassica campestris clubroot, inhibition, inoculation, rhizoplane microorganisms, bacteria, Raphanus

sativus 8867.

clubroot, solar radiation disease control, Brassica oleracea, Brassica rapa 292.

detection, irrigation systems sediments, role, Brassica oleracea var.capitata

clubroot 3820.

clubroot 3820.
pathogenicity, Brassica genotypes 1157.
Plasmodium falciparum,
monoclonal antibodies association, production Epstein-Barr virus transformed
cells, lymphocytes B, man, methodology 633.
Plasmopara viticole,
metalaxyl resistance 3991.
Plastics

Plastics.

Plectonema boryanum, comparison, Anabana torulosa, sodium effects on nitrogen fixation 6381. Pleistophora simulii, Simulium ornatum biological control, protein composition, phosphatase activity 2646.

Pleospora drummondii sp.nov., Phiox drummondii leafspot etiology, Stemphylium drummondii sp.nov. imperfect

state 2039.

Plesiomonas shigelioides,
man, feces, media (isolation) 7592.

Pleurotus,

Preurotus, fruit bodies production, inoculation, wood 7846. 
Pleurotus columbinus, 
culture, fruit bodies production 8697. 
Pleurotus cystidiosus, 
culture, fruit bodies production 8695. 
Pleurotus euosmus, 
volatiles biosynthesis, odors association 133. 
Pleurotus florida, 
culture 8705, 
culture 8705.

Pleurotus ostreatus, culture 8705.

culture 6705.

culture, fruit bodies production 8697.

fatty acid composition, lipid composition 5336.

growth, lastanox T20 effects on 8259.

penicillin acylase biosynthesis, ctric acid effects on 2582.

protocatechulate dioxygenase, purification, biodegradation, protocatechuic acid.

7754

7754
Pleurotus pulmonarius,
culture, fruit bodies production 8697.
Pleurotus aajor-caju,
cellulolytic enzymes production 90.
culture, Cryza sativa, lignocelluloses biodegradation, residues, use
methanogenesis 2697.
Plodia interpunctalia,
biological control, Bacillus thuringiensis 4386.
Pneumonia,
Mycoplasma hyopneumoniae, pigs, enzyme-linked immunosorbent assay, diagnosis
5894.
Poa annua,

Poa annua, Claviceps purpurea infection, conidia overwintering 7175.
Puccinia brachypodii rust, India 2036.
Poa annua var.reptans,
anthracnose, Colletotrichum graminicola, epidemiology, weather 5429.

animaciose, collecturami graminicola, epidemiology, weamer 5429.
Poa pratensia,
blight, Fusarium, association, Leptosphaeria korrae, Phialophora graminicola
5418.

leafspot, Drechslera sorokiniana, herbicides soil applications effects on 3803. leafspot, ethylene induction leaves chlorosis 8797. white rot, detritus effects on pathogenesis, fungi 8785.

Pod ret.

phytopathogenic fungi, Arachis hypogaea, calcium levels effects on pathogenesis 1121. Theobroma cacao, disease control, metalaxyl, cuprous oxide, Phytophthora

Inecoroma cacao, cisease control, metalaxyi, cuprous txice, Priytopriulica palmivora 5526. Podolepsia, ectomycorrhizas symbiosis, Australia 2132. Podosphaera leucotricha, powdery mildew, Malus, disease control, fungicides 5516. powdery mildew, Malus domestica dormancy, temperature effects on 7985.

Podosphaera oxyacanthae, powdery mildew, Prunus, disease control, fungicides, new records 339. Pogonolepsia, ectomycorrhizas symbiosis, Australia 2132.

Poly(A), antiviral activity, Rauscher leukemia virus 4760, translation, ribosomal protein S1 repeated sequence role, Escherichia coli 4258. translation, ribosomal protein S1 repeated sequence role, Escherichia of Poly(U), ribosomal protein S1 repeated sequence role, Escherichia coli 4258. Poly(4-vinyl-N-ethylpyridintum bromide), immobilization a-chymotrypsin, penicillin amidase, matrix conformation effects on activity 1769. Poly(acrylonitrile), immobilization a-amylase, Bacillus subtilis 1772. Poland, positilius september 1865.

Polanic, Soli, Azospirillum isolation 4665.
Polar environmenta decay fungi, wood 3920.
Polyti Ch, use, bovine diarrhea-mucosal disease virus assays 5890. Poliovirus,

vollovirus, adsorption, soil, sewage effluents, ions effects on 4934, antibodies titration, sensitivity, HEp-2 cells, Vero cells 50/3, antibodies titration, sensitivity, HEp-2 cells, Vero cells 50/3, capsid protein, antipenic determinants, vaccines production 6614, contamination, drinking water, samples, fransport, processing, methodology 7560, detection, immunoelectron microscopy, supports, effects on 5881, 6-diazo-5-oxo-L-norteucine, 2-deoxy-D-glucose, effects on, replication 9127, disinfection, heat+hydrogen peroxide, septic tanks effluents 9243, interferon antiviral activity 2233, propagation, cell culture, methodology 2433, utrafitration isolation, water reclamation 2396, water quality, rivers, sewage effluents 9254, olitovirus 1,

water quality, fivers, sewage entuents 9254.

Pollovirus 1,
adsorption kinetics, clays 379.
capsid protein expression, cloning vectors, Escherichia coli, vaccines production 6605.

6605. disinfection, chlorine, synergism, chlorine dioxide, ozone, peracetic acid, sewage effluents 6694. ferric chloride, flocculation, recovery, beef extracts 4990. levels, measuring techniques, drinking water, waste water, lakes, marine environment 7532. lycorine effects on 4021. membrane filtration, adsorption 5013. removal, resins adsorption, drinking water 1496. replication, cell culture, prostaglandin E1 inhibition 7385. strains differentiation, use, monoclonal antipodies 619. transport. survival sewages 5298. transport, survival, sewage 5828. Pollovirus 2,

antiviral activity, plant extracts 8325.
replication, antiviral activity, cyclosporin A, cell culture 8330. Poliovirus 3,

virulence, antigenicity, vaccines production 6624.

collen, formation, Lycopersicon esculentum, ultrastructure, tobacco rattle virus infection 8005. germination, Citrus limon, fungi filtrates effects on 2800. localization, virus-like particles, cherry leaf roll virus, transmission (vertical), Prunus avium, Betula pendula, Juglans regia 7990. management, disease control, ergot, Pennisetum americanum 1990. morphology, viruses infection 1108.

**Pollutants** Volutants, aquatic environment, toxicity testing, bioassays, luminous bacteria 1601. aromatic compounds, ozonation, biodegradability, wastewater freatment 2371. biodegradation, ground water, bacteria 5814. biodegradation, kinetics, activated sludge, industrial effluents 1486. biodegradation, ozonation, wastewater treatment 1480. biodegradation, waste water treatment 1480. biodegradation, waste water infiltration, ground water, indigenous species, bacteria 5813.

chlorinated hydrocarbons, detoxification, genetic engineering, microorganisms

fermentation, anaerobic conditions, soil 5670.

Polluted environments, isolation, Listeria, methodology 4951.

isolation, Listeria, methodology 495 I. Pollution, association, sewage, land disposal, wastewater treatment 8400. heavy metals, bacteria biodegradation, resistance 3680. hydrocarbons, Pseudomonas biodegradation 3988. organic compounds, biodegradation, bacteria films, ground water 8690. Pollution control, bacteria, resebwater pollution, industrial wastes 4896.

Pollution control, bacteria, freshwater pollution, industrial wastes 4896. industrial wastes, freshwater pollution, bacteria 4896. industrial wastes, treshwater pollution, bacteria 4896. industrial wastes, use, genetic engineering microorganisms 4125, pathogens, Salmonella, sewage sludge, digestion (anaerobic) 2368. water reclamation, indicator species, viruses, Mycobacterium, Pseudomonas aeruginosa, Candida albicans 2394.

Pollution detection, politicion, feest coliforms, enumeration, pour plate.

surface water, microbial pollution, fecal coliforms, enumeration, pour-plate method 2397.

method 2397.

Pollution effects, acid rain, denitrification, soil microorganisms 8245. acid rain, plant diseases, pathogens 7920. acid rain, plant diseases, pathogens 7920. acid rain, plant diseases, pathogens 7920. ach, carbon dioxide production, soil microorganisms 3951. fresh water, Bacillus thuringiensis, Bacillus sphaericus, toxicity, biological control, larvae, Culex quinquefasciatus, Aedes aegypti 2658. heavy metals, community composition, soil microorganisms 2142. heavy metals, toxicity, soil microorganisms, pesticides 5680. microorganisms, ecosystem analysis, measuring techniques, reviews, books 5092. microorganisms, equi filter decomposition, reservoirs 4429. petroleum, microorganisms, books A497. soil microorganisms, books A497. soil microorganisms, books 4697. soil microorganisms, books 4697. soil microorganisms, books 4697. soil microorganisms, biological activity 413. soil pollution, fluorine, soil microorganisms, biological activity 413. waste water, water quality, canals, indicator species, fecal coliforms 4132. water pollution, phenots biodegradation, aqualic microorganisms 5812.

Pollution Indicators,

indicator species, pollution monitoring, water quality, rivers, Clostridium perfringens 5855. phages, use, association, enterovirus microbial pollution, rhinking water 8425, pollution monitoring methodology, water quality, indicator species, Salmonella

Pollution monitoring, biochemical oxygen demand, water analysis, methodology 6680. fecal coliforms, lakes 2398. fecal coliforms, self-purification, lakes 569. fecal coliforms, self-purification, lakes 569.

tecal coliforms, self-purification, lakes 569.
indicator species, water quality, rivers, Clostridium perfringens 5855.
microbial pollution, bacteria, runoff, lakes, mathematical models 565.
microbial pollution, coliforms, indicator species, spatial distribution, seasonal
variations, lakes, USA 8419.
microbial pollution, indicator species, bacteria, coastal waters 2400.
rivers, fecal coliforms most probable number 1495.
water quality, methodology, indicator species, Salmonella 5856.
Pollution research,
microbial pollution, wastewater treatment aerosols 3187.
Poly(methacrylic acid),
immobilization c-chymotrypsin, penicillin amidase, matrix conformation.

Poly(methacrylic acio), immobilization α-chymotrypsin, penicillin amidase, matrix conformation effects on activity 1769, Poly(rlbose-phosphate), Haemophilus influenzae, measuring techniques, enzyme immunoassay substrates 724. Poly(tetratfluoroethylene), membranes, use, Rhizopus exo-1,4-α-D-glucosidase immobilization 39, Poly (I-C). Poly (I:C),

roly (i.c.), activity, cytoplasmic polyhedrosis virus, Bombyx mori islates 473. Poly-3-hydroxybutyrate, high-pressure liquid chromatography, Rhizobium japonicum, bacteroids, characterizzition 1653. intracellular levels, flow cytometry, fermentation monitoring, Aicaligenes

eutrophus 9295.

Polyacrylamide, gels. + sodium dodecyl sulfate electrophoresis, comparison typing, Neisseria meningitidis clinical isolates identification 2456. immobilization, Escherichia coli, Pseudomonas putida, effects on morphology, DNA

immonization, escrientiala con, eseudomonas punda, enecis on morphology biosynthesis 1614. Polyacrytic acid, effects on tobacco mosaic virus multiplication, spreading, Nicotiana tabacum cultivars 1141.

Polyamine oxidase

Polyamine Oxtosse, acetyloplaymines oxidation, extracellular enzymes, Penicillium 932.

Polyamines, biosynthesis regulation, role, histone H2B, DNA-binding protein, Escherichia coli 2655.

Polyanions.

Polyanions, antiviral activity, tobacco mosaic virus 9129. Polyethylene glycol, detartans, solutions, two-phase systems, separation techniques, conidia, sporangiospores, fungi 8489. oxidation enzymes, bacteriar 7678. separation techniques, ligands, affatoxin B1, radioimmunoassay 7099.

Polyethyler elmine, immobilization, Brevibacterium flavum, fumarate hydratase activity 75.

immobilization, Brevibacterium flavum, fumarate hydratase activity 75.

Poltygalacturonase, activity, cell culture, Xanthomonas malvacearum 3516.

biosynthesis, Alternaria brassicae var.asrson 8602.

biosynthesis, Aspergilius alliacous 6038.

characterization, Cifrus sinensis, Dipiodia natalensis post-harvest decay 7198.

Colletotrichum gioesponioides, inhibition, fungicides role 1224.

inhibitors, Pisum sativum, disease resistance, phytopathogenic fungi 7203.

isoenzymes, isolation, purification, chromatography, isoelectric focusing,
Penicillium oxalicum 7720.

isolation methodology, Aspergillus niger 3480.

physicochemical properties, Pseudomonas solanacearum 8611.

production, Aspergillus niger, use pulp, Agave fourcroydes 5189.

purification, extracellular enzymes, Aspergillus niger 926.

Rhizopus stolonifer, role, Ricinus communis antifungal agents induction 297.

role Sclerotinia sclerotiorum, pathogenesis, virulence, Helianthus annuus 2010.

Polygenic Inheritance, disease resistance, Principal oryzae blast, Oryza sativa 6297. Polyhexamethylene biguanides, antibacterial activity, recovery, Escherichia coli 9265.

Polymerization, radiation, Streptomyces phaeochromogenes immobilization, glucosephosphate isomerase activity 6027.

Polymers,
Klebsiella aerogenes capsules, binding, heavy metals, activated siudge 6679.
Medical dressings, surfaces hydrophobicity, cell adhesion, Staphylococcus
epidermidis 8428.

substrates, +penicillin amidase, use, Escherichia coli immobilization 778. supports, bacteria, immobilized cells 763.

Polymyxa betae, vectors, plant viruses, plant diseases, roots, Beta vulgaris, British Isles 7190. Polymyxin, agar diffusion test, Mycobacterium fortuitum, Mycobacterium chelonei, differentiation 1405.

susceptibility, Staphylococcus aureus identification 6547

Polymyxin B

Polymyxin B, antibacterial activity, Escherichia coli, temperature dependence 9198. antibacterial activity, testing, gram-negative bacteria, characterization 6548. antibiotic sensitivity testing, Pseudomonas aeruginosa 3079. cross-linkage, gramicolin, antibacterial activity 4055. derivatives, antibacterial activity 4055. derivatives, antibacterial activity, Escherichia coli outer membranes, complement bactericidal activity 5784. 4. EDTA-tromethamine, antibacterial activity, gram-positive bacteria 4816. induction lysis, phages infected Pseudomonas aeruginosa 4856. N.M.R. 2279.

sensitization, Escherichia coli, valinomycin, antibiotic A23187, antibacterial activity 7453.

comparison Bacillus thuringiensis toxins, larvae, Aedes aegypti 2661. toxicity

orymyxins, antibacterial activity 2278. derivatives, binding outer membranes, stimulation susuceptibility, complement, antibiotics 4803.

Polysaccharides, (continued)
Klebsiella, side chains 1828.
Lactobacillus helveticus var.jugurti, puritication, physicochemical properties, antitumor activity relationship 2630.
lignocelluloses, Spartina atterniflora, Rhizophora mangle, biodegradation 5305.
microorganisms biosynthesis, books 2541.
Mycobacterium, biosynthesis, structure 8615.
oligosaccharides structure, Streptococcus pneumoniae 1833.
production, Achromobacter delicatiuis, association, cell culture methodology 114.
production, Acaligenes faecalis, batch culture, continuous culture 2629.
production, Propionibacterium acnes, semisynthesis media (culture) 110.
proteins conjugate, vaccines, preparation, gram-negative bacteria, immunogenicity 2323. Polynucleotides gene 32 protein binding, tryptophan residues role, U.V. spectroscopy, phage T4 4255 Polyols, media (culture), gels 6768. Polyoma virus, gene arob.

Polyoma virus, genomes, detection, organs, tissues, mice, methodology 6744.

Polyoxin, effects on fungi chitin biosynthesis, wood decay 3647. Polyoxin L. alogs, antifungal activity, Candida albicans 8311. analogs, **⊬olyoxins**. Polyphosphate kinase,
purification, characterization, Propionibacterium shermanii 7698. Pseudomonas solanacearum, interaction, Solanum tuberosum agglutinins 6285. Rhizobium japonicum capsules, role root hairs infection, nodulation, Glycine max pufriication, characterization, Propionibacterium shermanii 7698.

Polypioldy,
Medicago sative cell lines, regeneration, disease resistance, toxins, Fusarium oxysporum I:sp.medicaginis 5494.

Polyporous giganteus,
white rot, detritus effects on pathogenesis, Cynodon dactylon, Eremochloa ophiuroides, Poa pratensis, Stenotaphrum secundatum 8785.

Polyporus anisoponis,
laccase, molecular weight, redox potential, isoelectric points 7722.

Polyporus squamosus,
mycelia, growth rate, liquid culture 6790.
mycelium, growth rate, liquid culture, continuous culture 822.

Polyporus versicolor,
ergosterol derivatives, structure 1824.

Polyporus versicolor,
ergosterol derivatives, structure 1824. 2970.
soil amendment, stimulation 2,4-D biodegradation, bacteria 6389.
Streptococcus pneumoniae capsules, enzyme-linked immunosorbent assay,
immunoglobulin G, immunoglobulin M 1662.
structure, artigen O, Escherichia coli 4364.
structure, antigenicity, Shipelia dysenteriae 4363.
structure, endotoxins, Bordetella pertussis 7124.
structure, gums, Hinzobulm 4368.
structure, Klebsella 1830. structure, Klebsiella 1353. structure, Klebsiella 4367. structure, Rhizobium japonicum 1831. structures, fungi, reviews 2632. Polysorbate, Polyprenols, biosynthesis, Quercus ilex, relationship, Microsphaera alphitoides infection 2825. toxification, media (culture), Leptospira 9321. Polystyrene,
Acinetobacter calcoaceticus cell adhesion, olive oil effects on 776. 2825.

Polyribocytidylic acid,
+ polyribocytidylic acid,
+ polyriboniosinic acid, antiviral activity, herpes simplex virus 2 9114.

Polyriboniosinic acid,
+ polyriboniosinic acid,
+ polyriboniosinic acid,
+ polyriboniosinic acid,
- polyribosioniosinic acid,
- polyribosioniosio Polytef, atheters, comparison, polyvinyl chloride, bacteria incidence 3222. Polyurethane, blodeterioration, Gliocladium roseum, characterization 1034. Pseudomonas dacunhae, aspartate 4-decarboxylase activity, L-alanine biosythesis erioration susceptibility, microorganisms 2719. Polyvinyl acetate, preservatives, fungi biodeterioration, buildings materials 6394. Polyvinyl alcohol, biodeterioration, buildings materials 6394. biodegradation, alcohol oxidase, Pseudomonas 2710.
oxidation enzymes, purification, characterization, Pseudomonas cell membranes Haemophilus influenzae b, antigens detection, agglutination tests, body fluids, man 1584.

Polyribosomea, translation activity, Hordeum vulgare leaves, Erysiphe graminis f.sp.hordei infection 251.

Polysacchardes, bacteria, characterization 2634.

Polysacchardes, bacteria, characterization 2634.

Polysacchardes, bacteria, characterization 2634.

Polysacchardes, bacteria, characterization 2634.

Santigen O, structure, Bispleila dysenteriae 1827.

bacteria, characterization 2634.

biosymmesis, Agrobacterium tumefaciens, role lipids 6886.

biosymmesis, Agrobacterium tumefaciens, role lipids 6886.

biosymmesis, Industrial applications, reviews, yeasts, fungi 8620.

biosymmesis, industrial applications, reviews, yeasts, fungi 8620.

biosymmesis, Streptococcus mutans, or loe extracellular enzymes 8616.

capsules, bacteria, use vaccines, immunogeniidy, reviews, man 3184.

capsules, biording, lectins, Rhizobium leguminosarum var.trifolii 368.

capsules, carobhydrate composition, antigens, Klebsielal preumonnae 4361.

capsules, purification, characterization. Stanbulococcus auruse 6887. 1742.

Polythyri chloride,
catheters, comparison, polytef, bacteria incidence 3222.
films, biodeterioration, fungi 1032.
films, fungi, contamination, biodeterioration 1039.
role, survival, association, Pseudomonas aeruginosa, contamination, iodophors
6723. Or 25.

Poncirus trifoliata,

× Citrus sinensis, seedlings, symbiosis, Glomus intraradices, photosynthates distribution association 8219. onds, antibiotic resistance, Enterobacteriaceae, Bangladesh 4133. antibiotic resistance, Enterobacteriaceae, Bangladesh 4133. Bacillus sphaencus spores, fate, biological control, larvicides, Culex tarsalis, Anopheles franciscanus 1845. pathogens, biological control, efficacy, persistance, Bacillus sphaericus, Culicidae 6914. phytoplankton, nutrient sources, composting, solid wastes, sewage sludge 6689. waste water, chlorine disinfection, fecal coliforms 6671. phytoplankon, human sources, composing, solin wasies, sewage sludge obos-waste water, chlorine disinfection, fecal coliforms 6671.

Population density, phytopathogenic fungi, host-pathogen interactions, mathematical models, disease resistance, plant diseases 2772.

Population dynamics, ameba, humus enrichment, fungi effects on 4629, ameba, suppression, take-all, Triticum aestivum 1173. indicator species, heterotrophic bacteria, lagoons, sewage treatment 9241. mathematical models, growth, microorganisms 5953.

Nemata, nematophagous fungi parasitism, predation, activated sludge 7537. Penicilitium soil isolates, hydrolase patterns 6319.

Pseudomonas solanacearum, soil, plant diseases 6218.

Rhizobium japonicum, plants 1272.

Rhizobium leguminosarum, Pisum sativum seedlings 8233. soil microorganisms, land reclamation, moorfand 5633.

Population genetics, plant diseases, evolution, host-pathogen interactions 1106.

Population levels, soil microorganisms, relationship, propagules size 397. capsule 5199 Separates, yels, historian legitimisearum, historian searum valuminisearum valumi soil microorganisms, relationship, propagules size 397.
soil microorganisms, soil amendment, composts, soild wastes, manure 3972.
soil microorganisms, soil amendment, crop residues effects on 5687.
soil microorganisms, trifluralin effects on, crop fields, Triflucum aestivum 5682. Population structure, strains compatibility, Cryptostroma corticale, sooty bark, Acer pseudoplantus 8190. 6309 6309.
sextracellular polymers, biosynthesis, carbon sources, nitrogen sources effects on, Cryptococcus laurenti 5198.
sextracellular polymers, carbonydrate composition, gums, Pseudomonas elodea 4366 extracellular polymers, Clostridium, antitumor activity, sarcoma, mice 3540. extracellular polymers, production, ethanol metabolism, Agrobacterium radiobacter 6056. Population studies, Cochliobolus heterostrophus, auxotrophs, leaf blight, Zea mays 1981. Cocimiobus and activities of the populations, Populations, Hizcobium trifolii, Trifolium subterraneum nodules, soil acidity effects o Maste water, bacteria seperation, methodology density gradients 3269. 6058.
extracellular polymers, Pseudomonas phaseolica, cell adhesion, ultrastructure, cell walls, Phaseolius vulgaris 2785.
extracellular polymers, role Rhizobium mellioti, infectivity, nodulation, Medicago sativa 6372.
extracellular polymers, staining, bacteria 5060.
extracellular, production, nitrogen-fixing bacteria 3533.
fatty acid composition, capsules, Bacteroides fragilis 6887 fungl, lichens, books 3333.
Haemophilus influenzae, + Corynebacterium diphtheriae toxoids, combined vaccines, immunogenicity, rabbits 6655.
heavy metals adsorption, bioaccumulation, Zoogloea ramigera 3973.
hydrolysis, Streptococcus, dextranase, fungl 8679.
industrial applications, biotechnology, reviews, bacteria 8622.
industrial applications, books, microorganisms 9342. Populus,
Alnus glutinosa, inoculation, actinorrhizas, silviculture bark, necrosis, Xanthomonas campestris pv.populi 8171.
canker, Erwinia etiology, Canada 2114.
culturar, host range, pathogenicity, Marssonina castagnei 365.
disease resistance, Melampsora medusae infection, light, temperature effects on

360 ectomycorrhizas, Sphaerosporella brunnea 8162. host range, pathogenicity, Marssonina brunnea 357. leaf rust, Melampsora larici-populina, antagonism, Cladosporium 361. Marssonina brunnea infection, transmission (seed) 2113. Melampsora medusae leaf rust, disease resistance 2107. plant diseases, Marssonina, pathogenesis 5596.

Populus delicities, Marsonina balsamiferae sp.nov., taxonomy, Canada 3913. Populus defloides, delicities, delicit

360

Marssonina brunnea infection prophylaxis relationship fungicides seed treatments

wood, storage, decay fungi, Basidiomycetes 8197.

Populus euramericans,
disease resistance, Melampsora medusae infection, light, temperature effects on
360.

Porcellio scaber, food preferences, decomposition, Pinus, leaves, fungi, decomposition 2912.

Porta piacenta, brown rot, carbohydrates degradation enzymes 6820. brown rot, hydrogen peroxide, free radicals, biodegradation, cellulose 6173. Poria vaporaria,

brown rot, wood decay, Pinus 8947.

Porins,
Rhodopseudomonas sphaeroides, characterization 5956.

Port, food contamination, psychrotrophic bacteria 6966. meat production, microorganisms counts 7841. minced meat, Clostridium botulinum toxins inhibition, iron chelating agents, ntric oxide, carbon monoxide 7035. peckaging, storage, light effects on bacteria growth, spoilage 4465. + plaintains, molongo, freezing, Staphylococous aureus survival 7859. sturies, nisin, effects on, Clostridium botulinum, growth 1924. Post-harvest decay. Alternaria alternata, potatoes 2822. brown rot, Monilinia fructicola, fruits, biological control, Bacillus subtilis 8053.

8053.

Colletotrichum gloeosporioides, Alternaria, Botrytis, disease control, immersion+captafol, blueberries 3851.

Cylindrocladium heptaseptatum, Cylindrocladium pteridis, prevention, benomyl, cold storage, Rumohra adiantiforms 8128.

Diplodia natalensis, Citrus sinensis, polygalacturonase characterization 7198. disease control, antifungal activity, sodium dodecylbenzene sulfonate, tomatoes 8054.

Erwinia, soft rot, antagonism. Pseudomonas putida, biological control, Solanum tuberosum 8112. fruit rot, fungi 8876

fruit rot, oranges, cellulase association, Aspergillus aculeatus, Botryodiplodia theobromae 2049.

theobromae 2049.

fungal flora, ergosterol levels, indicators, corn, rice 2051.

fungal flora, trificum aestivum 7196.

funga, disease control, dichloronitroaniline, o-phenylphenol, apples 8052.

fungi, fungal flora interaction, competition, factors affecting 8050.

Geotrichum, tomatoes, fungicides, disease control 1168.

grapes, effects on wine, fermentation 6999.

neck rot, Bottrytis aliii, harvesting, drying effects on, onions 8055.

oranges, Pencillium italicum, Penicillium digitatum, benzimidazoles resistance 2901.

Oranges, Stem rot, prepa, mold, disease, portrol, funciolide 4479.

oranges, stem rot, green mold, disease control, fungicides 5470.

Oryza sativa, distribution, mycelia, sterigmatocystin, Aspergillus versicolor 8875.

Oryza satival, distribution, injudius, storginatorysm, postago 6875.
papaya, fungi, disease control, hot water 5469.
Penicillium digitatum green mold, cross-resistance, guazatine, benomyi 2200.
Penicillium digitatum, aupression phenylatanine derivatives control 2821.
Penicillium digitatum, suppression phenylatanine ammonia-lyase activity, grapefruits 2048.
Penicillium talicum, oranges susceptibility, ethylene treatment 3850.
Penicillium talicum, oranges susceptibility, ethylene treatment 3853.
Penicillium, lemons, disease control 1167.
Phoma violacea, Malus pumila, pathogenicity 2053.
prevention, carbon monoxide, storage conditions, grapes 8057.
Hitzopus stolonifer, Primus persica, fruits, characterization 8878.
seed treatments, benomyl, tiabendazol, Zea mays 2094.
Stemphylium lycopersici, papayas, pathogenesis 1146.
tobacco, Meloidogyne arenaria incidence, USA, South Carolina 3852.

Poetoperative Infection,
bacteria, plastics prophylaxis, man 4958,
heart surgery, gram-negative bacteria isolation, antibiotic sensitivity testing,
aminoglycoside antibiotics 3107.
hysterectomy, clinical isolates, antibiotic sensitivity testing, man 9177.
role airborne bacteria, communication, operating theaters, man 4960.

consentration, association, ethanol, production, Saccharomyces cerevisuae 3613. Lycopersicon esculentum predisposing factors. Verticillium dahlae wilt 3833. nutrient requirements, ethanol utilization, single-cell protein production, Torulopsis ethanoliticlerans 3409. Transport, fusiococin effects on, roots, Beta vulgaris 8741.

Potassium hydroxide

isolation methodology, Yersinia, feces 696. suspensions, comparison, vancomycin disc-diffusion test, identification, aerobic bacteria, rods 3262.

treatment, feces, effects on Yersinia enterocolitica isolation 3285

Potassium Iodide, antifungal activity, Conidiobolus, Basidiobolus 7380.

Potassium metabisulfitte, aureofungin. Botryodiplodia theobromae, fruit rot, Citrus reticulata 5525.

Potassium sorbate, +chlortetracycline, fishery products preservation, vacuum packaging 7885. effects on spoilage, yeasts, confectionery 8698. ham, food contamination, bacteria, yeasts, effects on food spoilage 3730, inhibition Clostridium botulinum growth, packaging, films, oxygen permeability, incheson mail 7023. 360.
webwood, population levels, Enterobacter, Clostridium 8955.
Populus nigrs,
X Populus indexensus, siviculture, plantations, nitrogen fixation, actinorrhizas 8156.
populas triencarpa, siviculture, plantations, nitrogen fixation, actinorrhizas 8166.
Populus triencarpa, siviculture, plantations, nitrogen fixation, actinorrhizas 8176.
Populus triencarpa, siviculture, plantations, nitrogen fixation, actinorrhizas 8187.

Iunchedin ritte, inhibition Clostridium boulumum, siviculents frankfurations, ritrote, selection clostridium boulumum, siviculents frankfurations, ritrote, inhibition Clostridium boulumum, selection clostridium boulumum, selection frankfurations, ritrote, selection in thritte, inhibition Clostridium boulumum, selection frankfurations, ritrote, selection interest 7021.
Potassium tartrate, +gycerola, staring, removal, use, immunofluorescence, measies virus infected cells 1538.

staring, removal, use, immunofluorescence, measies virus infected cells 1538.

staring, removal, use, immunofluorescence, measies virus infected cells 1538.

staring, removal, use, immunofluorescence, measies virus infected cells 1538.

staring, removal, use, immunofluorescence, measies virus infected cells 1538.

staring, removal, use, immunofluorescence, measies virus infected cells 1538.

staring, removal, use, immunofluorescence, measies virus infected cells 1538.

staring, removal, use, immunofluorescence, measies virus infected cells 1538.

staring, removal, use, immunofluorescence, measies virus infected cells 1538.

staring, removal, use, immunofluorescence, measies virus infected cells 1538.

starin

otato leaf roll virus, antigenic leaf not virus, beet western yellows virus, antigenic relationship, tomato yellow top virus, beet western yellows virus, infection, Lycopersicon esculentum, Solanum tuberosum 8847. detection, enzyme-linked immunosorbent assay, Solanum tuberosum 5883. detection, Solanum tuberosum, use, enzyme-linked immunosorbent assay 8832. disease resistance, Solanum, plant breeding 2837. disease resimssision, Myzus persicae vectors, pathogenicity, host range 4553. disease transmission, frole, Myzus persicae, Aphis gossypii, Solanum tuberosum 2003.

6023. infection, Solanum tuberosum, insecticides, disease control, Myzus persicae 2065. infection, Solanum tuberosum, metribuzin foliar applications effects on yield association 6019.

association 8019.
infection, tubers, Solanum tuberosum 8031

Potato spindle tuber virold, detection, hybridization, electrophoresis, Solanum tuberosum 8861. detection, hybridization, electrophoresis, Solanum tuberosum 8861. identification, DNA hybridization analysis methodology 8451. infected, Lycopersicon esculentum, purification, pathogenesis relationship proteins 8853. infection, Lycopersicon esculentum leaves, site location, nuclei 3819. infection, pathogenesis, Solanum 8849.
Potato Virus A, detection, Solanum tuberosum, use, enzyme-linked immunosorbent assay 8832. disease resistance, Solanum, plant breeding 2837. enzyme-linked immunosorbent assay detection, tubers, Solanum tuberosum 4538. mantenance, symptoms, distribution, Solanum tuberosum seedlings 8865.
Potato virus M, disease revistance, Solanum gourlayl, inheritance 6294.

disease re-istance, Solanum gourlayl, inheritance 6294.
maintenance, symptoms, distribution, Solanum tuberosum seedlings 8865.
Solanum tuberosum, detection, use, enzyme-linked immunosoment assay 8832.

Solanum tuderosum, derection, use, enzyme-iniked inimunisorbeini assay osaz. Potato virus 2, solanum tuberosum, benomyl effects on shoots tissue culture 8001. maintenance, symptoms, distribution, Solanum tuberosum seedlings 8865. Solanum tuberosum, defection, use, enzyme-iniked immunosorbeint assay 8832. transmission, cutting instruments, Solanum tuberosum, greenhouses, crop fields transmission, cutting instruments.

Potato virua X.

decontamination, meristem tip culture, heat treatments, cultivars, Solanum tuberosum 8881.

tuberosum 8881.
2.4-dioxohexhydro-1,3,5-triazine antiviral activity 4775.
disease control, N-phenyl-N-aryl thioureas derivatives, structure-activity relationships, Nicotiana tabacum 4592.
disease resistance, plant breeding, varieties, Solanum tuberosum 8884.
disease resistance, Solanum, plant breeding 2837.
infected Solanum tuberosum, benomyl effects on shoots tissue culture 8001.
infection, Solanum tuberosum, methibuzin follar applications effects on yield

Intection, Soliantiff upderdsunt, membrasi folia applications enects of year association 8019.
Infection, tubers, Solanum tuberosum 8031.
maintenance, symptoms, distribution, Solanum tuberosum seedlings 8865.
Solanum tuberosum, defection, use, enzyme-linked immunosorbent assay 8832.
+ tobacco mosaic virus mixed infection, Datura stramonium leaves lesions 288.

+tobacco mosaic virus mixed infection, Datura stramonum leaves lesions 288 Potato virus Y, antwiral activity, ribavirin, petioles tissue culture, Nicotiana tabaccum 3904. detection, enzyme-linked immunosorbent assay, Solanum tuberosum 5883. disease resistance, cultivars, Capsicum annuum 8070. disease risistance, Solanum, plant breeding, 2014vars, Capsicum annuum 8909. disease transmission, herediny, Myzus persicae, Aphis gossypii, Datura metel disease transmission, herediny, Myzus persicae, Aphis gossypii, Datura metel

disease transmission, role, Myzus persicae, Aphis gossypii, Solanum tuberosum

802.5.

Brayme-linked immunosorbent assay detection, tubers, Solanum tuberosum 4538. histopathology, Solanum nigrum varjudaicum, Solanum nigrum variudaicum, Solanum nigrum variudaicum, Infection, Solanum tuberosum, metribuzin foliar applications effects on yield association 8019.

association et oil. infection, susceptibility. Agrobacterium rhizogenes transformation Nicotiana tabacum roots tissue culture effects on 8076: maintenance, symptoms, distribution, Solarium tuberosum seedlings 8865. monocional antibodies characterization, use, viruses defection 2492. plant diseases, disease transmission, Myzus persicae, 5-farmesene derivatives effects on 5401

plant diseases, Solanum nigrum var.judaicum, pathogenesis 6263. Solanum tuberosum, detection, use, enzyme-linked immunosorbent assay 8832. susceptibility, lesions, leaves, Solanum tuberosum 8836. Potatoes.

,5-α-L-arabinase induction tissue disintegration, Bacillus subtilis

food processing waste water, use, fermentation, Saccharomycopsis fibuligera, Candida utilis, biomass 157.

Potatoes, (continued)

Potatoes, (continued)
Fusarium solari viar.coeruleum, Fusarium sambucinum, biosynthesis, vomitoxin, acetyldexynivalenol, trichothecenes 5372.
post-harvest decay, Alternaria alternata 2822.
wastewater treatment, digestion (anaerobic) 7520.
Potentiometry,
lipoic acid reduction, fecal coliforms, indicator species, water analysis, microbial pollution 2392.

Potexvirus, plant viruses, host range, infectivity, characterization 234.

plant viruses, host range, infectivity, characterization 234.

Potytrius, inclusion bodies, leaves, tissues, variability 8825.

Poultry,

Campylobacter, disease spread, kitchens 8429.

Campylobacter fetus subspiejuni Isolation, enumeration, media (enrichment) 2462.

carcasses, contamination, coliforms, meat industry 1051.

contamination, Salmonella growth, glucose oxidase control 7843.

cured products, spoilage, preservatives, sodium nitrite, sodium ascorbate 7886.

food contamination, Campylobacter fetus subspiejuni 1056.

food processing, meat industry, hygiene, bacteria contamination 3707.

food processing, meat industry, staphylococcus aureus contamination, biotyping 6179.

growth conditions, Salmonella, incidence, food processing 6983.

6179.
growth conditions, Salmonella, incidence, food processing 6983.
meat products, bacteria contamination 1049.
meat products, spoilage, psychrotrophic bacteria, temperature, shelf life 6972.
meat reprocessing, bacteria contamination 2738.
microwave oven cooking, inactivation, Salmonella typhimurium, Staphylococcus
aureus 1048.
processing, Salmonella incidence, Australia 6194.
Salmonella hyphimurium, Salmonella albany, enzyme-linked immunosorbent assay
8759.
Spoilage Staphylococcus 8759.
spoilage, Staphylococcus aureus, Salmonella hadar, Salmonella typhimurium, freeze-thawing storage effects on 6975. stuffing, cooking temperature, bacteria inactivation 5349.
Povidine-lodine, bactericidal activity 452.
Povidone-lodine, antibacterial activity, surfactants effects on 9261.
bactericidal activity, 7548.

Powder, skim-milk, Bacillus cereus contamination 7000.

skim-milk, Bacillus cereus contamination 7000.

Powdery mildew,
Acrosporium, Ipomoea fistulosa, new records, India 2038.

Begonia scotrana, etiology 5464.
colonies enumeration, Hordeum vulgare 1129.
disease control, antibiotics+copper sulfate, Cucumis sativus 8139.
disease control tungicides, effects on soli microorganisms, plants 2078.
disease control, tridemorph, tertilizer applications, yleid, Hordeum vulgare

2900. disease control, use, fungicides, Turkey 337. disease resistance, Erysiphe graminis, Hordeum vulgare 5498. disease resistance, plant breeding, Hordeum 2839. disease resistance, role necrosis mutation, Hordeum vulgare 3854. disease resistance, Sphaerotheca pannosa var.persicae, genetic analysis, Persica 4570.

3836.
Erysiphe graminis, disease resistance, genetic variance, plant breeding, Hordeum vulgare 316.
Erysiphe graminis, Hordeum vulgare, disease control, use, antitranspirants 291.
Erysiphe graminis, incidence, cultivars mixed culture, Hordeum vulgare 2841.
Erysiphe graminis, incidence, effects on, yield, Triticum aestiwum, Bulgaria 7959.

7959.
Erysiphe graminis, pathogenicity genes, host-pathogen interactions, disease resistance genes, Hordeum vulgare 2861.
Erysiphe graminis f.sp.hordei, disease resistance breeding, Avena sativa 307.
Erysiphe graminis f.sp.hordei, avrulent strains, inoculation, disease control, Hordeum vulgare 2066.
Hyrideum vulgare 2066.
Erysiphe graminis f.sp.hordei, disease resistance, correlation enzyme polymorphism, plant breeding, Hordeum spontaneum 7209.
Erysiphe graminis f.sp.hordei, disease resistance, plant breeding, Denmark, Hordeum vulgare 2880.
Erysiphe graminis f.sp.hordei, disease resistance, plant breeding, germplasm, Hordeum spontaneum 5496.
Erysiphe graminis f.sp.hordei, factors affecting conidia production, Hordeum vulgare 7957.
Erysiphe graminis f.sp.hordei, genotypes, virulence, host-pathogen interactions,

vulgare 7957.
Erysiphe graminis f.sp.hordei, genotypes, virulence, host-pathogen interactions, Hordeum vulgare 8791.
Erysiphe graminis f.sp.hordei, germ tubes, appressoria, penetration, host-pathogen interactions, Hordeum vulgare 8788.
Erysiphe graminis f.sp.hordei, inhibition ribulosebisphosphate carboxylase, carbon fixation enzymes, activity, Hordeum vulgare 5434.
Erysiphe graminis f.sp. britici, disease resistance, plant breeding, Triticum aestivum 6067.

Enysiphe graminis f.sp.tritici, disease resistance, Triticum dicoccoides 5415. Erysiphe pisi, pathology, Lens culinaris, insecticides, acaricides, antifungal activity 8917.

activity 8917.
Erysiphe polygoni, Pisum sativum disease resistance 1978.
fungi, effects on yield, disease resistance, genotypes, Triticum aestivum 8098.
Hordeum, Erysiphe graminis, disease resistance 5501.
Hordeum vulgare, disease resistance, genetic analysis, plant breeding association

Hordeum vulgare, Erysiphe graminis f.sp.hordei, factors affecting epidemiology

incompatibility, Hordeum vulgare, carbon dioxide exchange 1130.

Powdery mildew, (continued)
Leveillula taurica, incidence, Lycopersicon esculentum, Cyamopsis tetragonoloba,
Nicotiana trigonophylla, Caesalpinia gilliesii, USA, Arizona 8035.
Microsphaera penicillata, effects on photosynthesis, Carya illinoensis 5446.
Podosphaera leucotricha, Malus, disease control, fungicides 5516.
Podosphaera leucotricha, Malus domestica dormanov, temperature effects on 7985.
Prunus, Podosphaera oxyacanthae, Sphaerotheca pannosa, disease control,
fungicides, new records 339.
Sphaerotheca pannosa, disease resistance, plant breeding, Rosa multiflora 8904.
Triticum aestivum, disease resistance plant breeding correlation triadimeton
disease control. Erysiphe graminis 5502.
virulence, host-pathogen interactions, disease resistance, plant breeding,
varieties, Hordeum vulgare 2862.
Vifis, Uncinula neator, association, yield, growth, wine quality, USA, New York
8833.

8833 Vitis vinifera, sulfur applications, disease control 340.

recombinants, genetic engineering, vaccines production 6633.

Pozizella ericae, mycorrhizas, inhibition meristems development, roots, Calluna vulgaris 5560.

mycorrhizas, inhibition meristems development, roots, Caiuna vu Precipitation, plasmids, DNA, purification, chromatography, methodology 5917. proteins, purification, methodology, bioreactors 3426.

Precipitin test, agar, infectious bursitis virus 8453. get diffusion, diagnosis, parvovirus (porcine) infection, pigs 5879.

Predation,

redatoring in the proposition of the proposition of

thuringiensis 6443.
hiological control, pathogens, Bacillus sphaericus, Bacillus thuringiensis,
Toxorhynchites, Culicidae 1841.
host-pathogen interactions, host-parasite interactions, Spodoptera littoralis,
Bacillus thuringiensis, Zele chlorophthalma, Paederus alferli, Egypt, Arab Rep.

nematophagous fungi, Rhabditis, Aphelenchus, Mexico 2126.

nematophagous fungi, Mnabdins, Aprilemente, mematophagous fungi, Mnabdins, Aprilemente, mematophagous fungi, frequency, man, Streptococcus group B identification methodology, genitourinary tract infection 2451, pigs, feeds contamination effects on fetuses, vomitoxin 2746, rubella virus immunoglobulin M defection methodology, man 5878. Prephenate dehydratese, activity, tryptophan activation, Candida maltosa 8580. Prephenate dehydrogenase, activity, tryptophan activation, Candida maltosa 8580. Preservation, ammonia, fermentation, silage, com 2744.

reservation, armmonia, fermentation, silage, com 2744. bacteria culture, methodology 4188. cell culture, Mucor, Rhizopus, Aspergillus 5087. cell culture, Mucor, Rhizopus, Aspergillus 5087. com, ammonia+proponic acid, spollage, bacteria, fungi 7025. delay stateris, factic acid bacteria, freeze drying 1612. delay stateris, factic acid bacteria, freeze drying 1612. delay state the state of the s

ananimousla agents, enects of Asperginus navus anatoxin of biosynthes vitro 7095. bactericidal activity, urine culture, tubes, samples volume 708. cosmetics 1367. effects on, bacteria, fungi, biodeterioration, forest products, colonization,

effects on, bacteria, fungi, bouetendance, more price succession 1241.

effects on fungi spores, germination, growth, thermal injury 1072.

Escherichia coli, Pseudomonas aeruginosa, wild type, envelopes mutants, sensitivity association, cell membranes role 3080.

feeds, N-oxlime ethers, antifungal activity 8713.

food 1073.

flood, lysozyme characterization, Streptomyces rutgersensis 6006. liquids, comparison, freeze drying, effects on microorganisms growth, urine culture 3266.

cuture 3288. media (transport), urine, bacteriuria diagnosis 1608. pentachlorophenol, inhibition decay fungi, wood, buildings 7242, pharmaceuticals, microorganisms contamination, reviews 9148, polyvinyl acetate, fungi biodeterioration, buildings materials 6394, propionic acid, effects on fungi feeds, pelleting, leeds, com 7884. sitage, Saccharomyces cerevisiae single-cell protein, nutritive value, cattle,

silage, Saccharomyces cerevisiae single-cell protein, nutritive value, cattle, sheep 2747.

Sodium citrate, antibacterial activity, heat resistance, spore germination, Bacillus stearothermophilus, canned food 7376.

Sodium nitrite, sodium ascorbate, prevention, spoilage, cured products, ham 7886. tributyfitin chloride, aminophenyimercury acetate, prevention, biodegradation, cellulose, soil microorganisms 7302.

wood, copper-chrome-arsenic, chemical analysis, iodometry 7244.

wood, diffusion, toxicity, fungi 1251.

wood, pentachlorophenol, industrial effluents, wastewater treatment 556.

wood, tolerance, decay fungi 2108.

wood, wool, paints, paper, electronic equipment 1291.

yolene, sorbitol, Bacillus thuringiensis formulations, biological control, Choristoneura fumiferana 2667.

Pressure, carbon dioxide, effects on Streptomyces tetracycline biosynthesis, fermenters 2281

hydrostatic, disinfection, inactivation, Escherichia coli 5866. use extraction, disintigration, microorganisms 4972.

Primaquine, conversion, Candida tropicalis 3548. Primary production, mycorrhizas, population levels, soil, forests 5553.

mycorrhizas, population levels, soil, forests 555 **Primates,**viruses infection, detection, methodology 9274. **Primordia,** 

formation, Coprinus congregatus, cell culture methodology, protein biosynthesis, nucleic acids biosynthesis, inhibition 2527.

Pristane, oxidation, Rhodococcus erythropolis 4685.

Probenecid, antibacterial activity, Neisseria gonorrhoeae, interaction, benzylpenicillin

enterotoxins genes, Escherichia coli detection, water, DNA hybridization analysis genes, Campylobacter Vibrio cholerae like toxins, Escherichia coli enterotoxins 5389.

Procambarus ciarkii,

food processing wastes, astaxanthin extraction, silage 2714.

Prochloraz, resistance, Penicillium italicum, Penicillium digitatum, post-harvest decay, benzimidazoles 2901.

Procymidone, antifungal activity, resistance, Aspergillus nidulans, Cladosporium cucumerinum, Penicilium italicum 8296.

Prodigiosin,
Serratia marcescens, biosynthesis, polymyxin B effects on 1404.

Seriaua marcescens, biosymnesis, polymyxin B effects on 1404. Progesterone, hydroxylatton, immobilized cells, Aspergillus ochraceus spores 6048. Mycobacterium aurum, biosynthesis, sterols biodegradation 946. Prohlain,

purification, characterization, Cephalosporium 8523.

hydroxylation, reaction solutions, pH, temperature, Streptomyces griseoviridus 5109.

production, Escherichia coli 3408.

Protyl endopeptidase, substrate specificity, Flavobacterium meningosepticum 16.

**Promoters** 

lac promoter, genetic control, interferon production, Escherichia coli 3424. Saccharomyces cerevisiae, xylose isomerase gene expression, Escherichia coli

5157.

Typiac promoter, genetic control, interferon production, Escherichia coli 3424.

Propagilee,
Salix alba, disease transmission, Watermark disease, Erwinia salicis 363.
soli microorganisms, size, relationship, population levels, longevity 397.

Verticilium dahilae, distribution, soil, USA, Ohio 7918.
vesicular-arbuscular mycorrhizas, isolation methodology, measuring techniques,
soil, reviews 824.

Proparocarbo Co., reviews och., cross-resistance, metalaxyl, Phytophthora infestans, Pseudoperonospora cubensis, disease control, Solanum tuberosum, Cucumis sativus 2894. disease control, Pythium aphanidermatum, bilgih, Agrostis 8134. disease control, Pythium, dieback, Daucus carota 8116.

Propane, metabolism, biodegradation, oxygenase activity, Nocardia paraffinicum 8275

metabolism, biooegraustush, c.v.yse-morphysepperson.

Propancials, Micromonospora chalcea, structure, characterization, antifungal activity, Valsa ceratosperma 3149.

Propargy/glycine, containing dispetides, peptide synthesis, antibacterial activity 4736.

Prophages, dairy starters, DNA homology, phages lysis, Streptococcus cremoris 5335.

herbicides, nitrification, soil 9026.

Propiolactone, inactivation, Salmonella typhimurium, vaccines, immunogenicity, mice 2324

inactivation, Salmonella typhimurium, vaccines, immunogenicity, mice 2324. 
Propionibacterium, cyanocobalamin, biosynthesis, amino acids, betaine, choline, effects on 146. 
cyanocobalamin, production, fermentation, whey 145. 
dairy starters, cold temperature-sensitive mutant, mutagenesis, 
N-nitroso-N-methyl-N-nitroguanidine 2729. 
Propionibacterium acid-propionicl, 
dairy starters, fatty acid composition, relationship growth, cold 3699. 
Propionibacterium acnes, 
extracellular enzymes inhibition, antibacterial activity, propylene phenoxetol 4725.

4725.
phospholipase C, purification, characterization 8563.
semisynthesis media (culture), production, polysaccharides, methodology 110.
Propionibacterium freudenreichi subsp., shermanli, cyanocobalamin production, growth conditions, optimization 2669.
Propionibacterium freudenreichil subsp., shermanli, dairy starters, fatty acid composition, relationship growth, cold 3699.
Propionibacterium jensenil, dairy starters, fatty acid composition, relationship growth, cold 3699.
Propionibacterium shermanli, cyanocobalamin, biosynthesis, amino acids, betaine, choline, effects on 146.

cyanocobalamin, biosynthesis, amino acids, betaine, choline, effects on 146. cyanocobalamin, production, fermentation, whey 145. polyphosphate kinase, purification, characterization 7698.

Propionic acid,

Proplonic acid,
+ammonia, preservation, spoilage, bacteria, fungi, corn 7025.
antimicrobial activity, microorganisms, effects on, hay, preservation 6490,
biodegradation, mixed culture fermenters, methanogenesis 6398.
effects on Aspergillus parasiticus, spores injuries, growth, aflatoxins
biosynthesis 7042.
effects on molds food contamination corn, toxins production 2749,
preservatives, effects on fungi contamination, pelleting, feeds, corn 7884.
Propolla,
bactericidal activity, bacteriostasis, Staphylococcus aureus 9093.
Propol effects on fungi contamination pelleting, feeds, corn 7894.
Propol effects on fungi contamination pelleting, feeds, corn 7894.
Propol effects on fungi contamination pelleting, feeds, corn 7894.
Propol effects on fungi contamination pelleting, feeds, corn 7894.
Propol effects on fungi contamination pelleting, feeds, corn 7894.
Propol effects on fungi contamination pelleting, feeds, corn 7894.
Propol effects on fungi contamination pelleting, feeds, corn 7894.
Propol effects on fungi contamination pelleting, feeds, corn 7894.

Propyl alcohol, biodegradation, metabolism, activated sludge 6706.

n-Propyl gallate,

ization, amphotericin B, antifungal activity, Candida albicans 1406. Propylene oxide,

production, immobilized cells, Nocardia corallina 418, sterilization solutions, Bacillus subtilis var.niger spores 4784

Propylene phenoxetol,

antibacterial activity, inhibition, extracellular enzymes, Propionibacterium acnes 4725. Prostaglandin A1,

antiviral activity, vaccinia virus infected L cells, gene expression inhibition 5749. Prostaglandin E1, inhibition, replication, poliovirus 1, encephalomyocarditis virus, cell culture

7385

Prosthecochloris aestuarii,

bacteriochlorophyll c structure, high-performance liquid chromatography methodology 9315. Prosthetics, blood vessels, penicillin binding, storage effects on antibacterial activity

Protein A, agglutnation, detection antibodies, antigens, Yersinia pseudotuberculosis subsp.pestis 5029. agglutination, detection antigens, arbovirus 4991. biosynthesis, Staphylococcus aureus, clinical isolates, relationship, antibiotic

resistance 9054.

immunoassays, serotyping, herpes simplex virus clinical isolates 595. infection diagnosis, membrane filtration, herpes simplex virus, varicella-zoster virus 589. Staphylococcus aureus, radioactive labelling, use, radioimmunoassay association Bacillus anthracis 8480.

Staphylococcus aureus, radioactive labelling, use, radioimmunoassay associat Bacillus anthracis 8480. Staphylococcus aureus, radioimmunoassay, enkephalin 1606. tests, influenza antibodies determination, man 3253. Protein blosynthesis, antidungal activity, metalaxyl, Phytophthora parasitica var.nicotianae 8135. association, betaine, stimulation, Pseudomonas denitrificans, cyanocobalamin, production 4401.

production 4401.

Bacteroides thetatotaomicron, inhibition, galactosamine role 1820. bioreactors, immobilized cells, Escherichia coli 2. Escherichia coli 2. Escherichia coli 2. herpes simplex virus 1, antiviral activity, 5-(2-bromovinyl)-2'-deoxyuridine 5743.

inhibition, antibiotics antibacterial activity 9174. inhibition, primordia formation, Coprinus congregatus, cell culture methodology 2527

Neurospora crassa, conidia germination 3478. ribosomes role, gene regulation, antibiotic resistance ermC gene, ermD gene, Staphylococcus aureus, Bacillus licheniformis 6427. vesicular stomațiiis virus infected celis, a-interferon effects on 6470.

vesicular stomattis virus intected cells, a-interieron effects on 6470.

Protein composition,
hepatitis b surface antigen vaccines, preparation relationship 4070.
seeds, Glycine max, Bradyrhizobium japonicum strains inoculum, nitrogen fixation,
nodulation 8247. Simulium c'natum, biological control, Coelomycidium simulii, Pleistophora simulii 2646.

co40.
single-cell protein, thermophilic fungi 860.
Protein kinase,
cyclic AMP dependent, phosphorylation yeasts phosphorylase, comparison

Cyclic Amir Opper lettir, jiriospino yrakin yeasis prinospinorylese, cimiparisori phosphorylase kinase 89 s. Seacterization, Saccharomyos cerevisiae 3456. isoelation, Streptococcus faecalis, characterization 8558, purfication, characterization, Dictyostelium discosideum 3455. purfication, characterization, Dictyostelium discosideum 7723.

Protein M, influenza virus, use, enzyme-linked immunosorbent assay, detection, antibodies 1541

Protein structure, phage T4, thioredoxin, Escherichia coll, phage T4, homology, glutaredoxin 7666. roteinase, activity, gramicidin D effects on, Bacillus thuringiensis 1412. activity, gramicidin D effects on, Bacillus thuringiensis 6025. activity, spectroscopy methodology, bacteria 4213. albumin hydrolysis, Aspergillus awamori 6016. alkalophiic bacteria 8613. amylase activity, Mucor, Endothia parasitica 8599. Aspergillus flavus, activity, association, hydrocarbons carbon sources comparison 2169.

Bacillus subtilis, immobilization, activity, cellulose supports 5999.
Bacillus thuringiensis, extracellular enzymes, biosynthesis, proteins effects on

1818

biosynthesis, amino acids effects on, Bacillus thuringiensis 918, biosynthesis, amino acids effects on, Bacillus thuringiensis 6029, biosynthesis ratio, novobicom, Streptomyces spheroides 6573, biosynthesis, temperature effects on, Bacillus licheriformis 5974, Candida, secretion 2593.

Cladosporium cucumerinum, role, pathogenesis, scab, Cucumis sativus seedlings

60 deficiency, dairy starters, Streptococcus lactis, Streptococcus cremoris, temperature tolerance, lactic acid production 2732. deficiency, Streptococcus cremoris dairy starters, use Cheddar cheese production

273-1.

Dictyostelium discoideum, purification, characterization 2595.

extracellular, biosynthesis, U.V. radiation induction Streptomyces spheroides mutants, fibrinolysis role 8583.

extracellular enzymes, Bacillus megaterium, temperature effects on 4292.

extracellular enzymes, biosynthesis, temperature effects on, Bacillus licheniformis 4879.

extracellular enzymes, characterization, Neurospora crassa 6885 extracellular enzymes, cold storage effects on recovery, Aeromonas hydrophila 7762

7702.
extracellular enzymes, isolation, characterization, Staphylococcus aureus 8608.
extracellular enzymes, production, ultrastructure, Streptomyces rimosus,
Streptomyces violocinereus 6882.
Provincia de companyate de la philitique Provincia de la philiti extracellular enzymes, propylene phenoxetol inhibition, Propionibacterium acnes

extracellular enzymes, Pseudomonas aeruginosa, stimulation, whey, casein 1810.

Proteinase, (continued)
extracellular, purification, characterization, Pseudomonas aeruginosa 1812.
fungi, stimulation, ripening, cheese flavor, cheese 7860.
hydrolysis, casein, etastin, Bacillus subtilis 921.
immobilized enzymes, albumin hydrolysis, Aspergillus awamori 4341.
immobilized enzymes, proteins hydrolysis, bioreactors, crop residues, Penicillium Proteins, (continued) roteinis, (continued)
production, Candida ingens fermentation, animal wastes treatment 158.
production, olives food processing wastes, fungi biodegradation 871.
production, optimization, genetic engineering, Escherichia coli, Bacillus production, optimization, genetic engineering, Escherichia coli, Baci subiliis, yeasts 3423. production, optimization, isolation, purification, genetic engineering, Escherichia coli 3425. immonized enzymes, proteins hybridiyas, bibleadurs, crop residues, i emailiaduportii 3475.
industries, reviews, microorganisms 2602.
inhibitors, disease resistance, plants 8900.
inhibitors, low molecular weight, membranes binding, microorganisms, reviews Escherichia coli 3425.
purfication, affinity chromatography, use transition metals chelates 3430.
purfication, bioreactors 3427.
purfication, characterization, respiratory syncytial virus,
temperature-sensitive mutant, infected cell culture 3437.
purfication, electrodialysis 3428.
purfication, biothyperformance libruid phromatography, use usocipes. inhibitors, production, screening methodology, microorganisms 7657. inhibitors, prohisin, purification, characterization, Cephalosporium 8523. isolation, fermentation, Rhizopus hrizopodiformis 4299. measuring technique, feeds proteins levels, Streptomyces griseus 6047. peptide synthesis, Streptomyces cellulosae 7688. production, immunoglobulin A, methodology, pathogenicity, clinical isolates, bacteria 1575. production, mutagenesis, Bacillus subtilis 6828. production, nutrient availability, carbon sources, nitrogen, phosphate, Pseudomonas fluorescens 7749. production, psychrotrophic bacteria, milk contamination, nitrogen effects on 7849. 5164 purification, high-performance liquid chromatography, use vaccines, Sendai virus bo49; purification, immobilization, monoclonal antibodies 3429; purification, precipitation methodology, bioreactors 3426; purification, ultrafiltration 3431; recovery, fermentation, bacteria, genetic engineering, reviews 7812; respiratory syncytial virus, identification, immunoprecipitation, methodology 645. Steptococcus mutans, cytoplasm, electrophoresis 6806. Streptococcus mutans, cytoplasm, electrophoresis 6806. synthetic, antigenic determinants, vaccines production, immunogenicity, herpes simplex virus 6639. production, psychrotrophic bacteria, milk contamination, nitrogen effects on 7849.

Pseudomonas fluorescens, peptides hydrolysis 1809.

purification, affinity chromatography, Bacillus mesentericus 7732.

purification, Bacillus mesentencus 4337.

purification, Bacillus mesentencus 4337.

purification, proteolysis, Streptomyces cellulosae 7691.

Saccharomyces cerevisiae, purification, fluorometry, assays, substrate specificity 935.

Sarratia marcescens, purification, characterization 8519.

Serratia marcescens, purification, characterization, clinical isolates 1779.

soy sauce production, role, Aspergillus oryzae 3697.

Streptococcus cremoris, plasma membranes localization, role peptides transport, proteolysis, milk 1747.

substrate specificity, use amino acid sequence determination, Lysobacter enzymogenes 369.

thermal stability, Bacteroides nodosus, characterization 7757.

Thermoascus aurantiacus, biosynthesis, activity 2579.

Proteinase, Inhibitor, serine proteinase, complex, X-ray crystallography, Streptomyces griseus 20. textured soy protein, beef, minced meat, acidification bacteria growth spoilage observation, ducks, aflatoxins dietary intake effects on 3721. viruses inactivators, purification, characterization, electron microscopy, Bombyx mori 9113. yeasts, rheology 5321 yeasts, freorgists,

Proteolysis,
bacteria growth, meat isolates 1059.
dairy starters, temperature effects on, cheese 1907.
milk, Streptococcus cremoris, proteinase, plasma membranes localization, role peptides transport 1747.
peptides transport 1747. proteinase, purification, Streptomyces cellulosae 7691.
renin, cheese, Mucor pusilius, Mucor miehei, Endothia parasitica 2741.
role, dextransucrase multiple forms, purification, characterization,
Streptococcus sanguis 6045. silage 1068. activity, detection, bacteria, association, biodegradation, leather, parchment 8693. activity, storage, foot-and-mouth disease virus 6741. activity, Zea mays, disease resistance, host-pathogen interactions, Erwinia chrysanthemi 3880. sertile proteinase, complex, Arlay drystanography, orieptomyces griseus corroteina, analysis, plants, hypersensitive response, tobacco mosaic virus infection 7916. arthgenic determinants, recvuit and protein production 6613. Beneficial activity, apalcillin 4840. arthgenic determinants, recvuit and protein production 6613. Beneficial control of the protein form of the protein formatic protein fo Proteins activity, Zeal Iralys, usease resistance, hose-paintifer authoris, chiminal chrysanthemi 3880.

applications, industries, technology 50.

Bacillus subtilis, extraction, oils seeds, Brassica napus, Glycine max 3494.

Bacillus subtilis, inhibition, quaternary ammonium compounds 4957.

bacteria, spoliage, milk, shelf life, refrigeration, pasteurization 6175.

biosynthesis, amino acids effects on, Bacillus thuringiensis 6029.

Chilo indescent virus, activity 1737.

Clostridium histolyticum, role, hepatocytes release, rats liver 2573.

dairy starters, lactic acid bacteria 5346.

detergents, bacteria 47.

extracellular enzymes, production, hydroxyanthraquinone stimulation, Aspergillus kanagawaensis, Aspergillus wentii 916.

fungi, bacteria, shoringi acather 48.

fungi, chymosin dairy products, dairy industry 199.

isoelectric focusing, Streptomyces 4288.

lactic acid bacteria, characterization, role, milk products production, reviews 96. sportuation 2555. distribution, flow cytometry, growth, monitoring, fermentation, mathematical models, Saccharomyces cerevisiae 6126. effects on Bacillus thuringiensis proteinase, extracellular enzymes, biosynthesis 1818. 96.
lactic acid bacteria, cheese production, aflatoxin B1 effects on 8730.
microorganisms, cleaning, membranes, filtration, industrial water systems 57.
psychotrophic bacteria, dairy products isolates 1057.
purification, Bacillus mesentericus 4337.
purification, isolation, Rhizopus pygmaeus 4321.
renin, production, Basidiomycetes 6829.
stability, phosphogluconate dehydrogenase, comparison Bacillus
stearothermophilus, yeasts 73.
yeasts, food contamination, seafood 5340.
Proteus,
airborne microorganisms analysis, trains bathrooms 579. enzymes, separation, fittration, reviews, microorganisms 8586.
Escherichia coli, concentration, purification, absorption, silica, methodology 7668.

Yestraction, bacteria cell disruption methodology 1593.

extraction, bacteria cell disruption methodology 1593.

feeds, levels, measuring technique, Streptomyces griseus proteinase 6047.

feeds, production, association, com± whey fermentation 982.

fermentation, enzymatic activity measurements, solid wastes 545.

feraction characterization, Cucumis sativa cotyleidons, toloacco necrosis virus infection 1143.

heat shock, biosynthesis, relationship ethanol tolerance, Saccharomyces cerevisiae 986.

hepatitis B virus, micelles, isolation, immunogenicity, vaccines, Pan troglodytes 6642.

Mydrolysis proteinase, immohilized egympes, mathematical modele, bloreactors. 7668 airbome microorganisms analysis, trains bathrooms 579. antibacterial activity, fludalanine+pentizidone 6454, antibacterial activity, mangostin, derivatives, isolation, Garcinia mangostana 4783 antibiotic resistance 6440 antibiotic resistance 6440.
antibiotic resistance, clinical isolates 7328.
antibiotic resistance, screening 7315.
antibiotic resistance, screening 7315.
antibiotic sensitivity testing, media (culture), methodology 433.
antibiotic sensitivity testing, photometry, computer applications 3076.
clinical isolates, aziocilin antibiotic resistance 5715. 6042. hydrolysis, proteinase, immobilized enzymes, mathematical models, bioreactors, crop residues, Penicillium duponti 3475. hypersensitive response, leaves, tobacco mosaic virus infection, Nicotiana labacum 7199. influenza virus envelopes, isolation, immunogenicity, vaccines production, mice Proteus mirabilis, antibiotic resistance 6440 6620. isolation, disintegration methodology, yeasts, bacteria 4303. isolation, influenza virus, immunogenicity 1704. levels, lignocelliduses, Lowry assay, Clostridium thermocellum 4424. lipid A complex, endotoxins, characterization, purification, Yersinia pseudotuberculosis uspe, pseudotuberculosis 3763. measuring lechniques, fluorometry, yeasts, bacteria, biotechnology 7556. Medicago sativa juices, fermentation, lacitic acid bacteria 3722. microfilaments, isolation, chracterization, plasmodia, Physarum polycephalum 5054. antibiotic resistance 6440.
antibiotic resistance, clinical isolates 7328.
antibiotics ambdecterial activity determination, counting methods 2239.
catalase, purification, characterization 1778. gradient of the control 4828.
clinical isolation antibiotic sensitivity testing, quitacterial activity, dibekacin, gentamicin, toboramycin 6540.
Jelaciamase, carbeniciliin hydrolysis 2619. Mycobacterium, purification, specificity, use, hemagglutination, hemagglutination inhibition 9290.

β-lactamase, carbenicillin hydrolysis 2619.

Proteus morganil,
β-lactamase, biosynthesis, inducers, correlation, penicillins, antibacterial activity 2261.

Proteus pennerl, antibiotic sensitivity testing 9162.

Proteus rettgerl,
β-lactamase, biosynthesis, inducers, correlation, penicillins, antibacterial activity 2261.

Proteus attuartil,
cefimenoxime antibacterial activity, comparison, cefotaxime, moxalactam 1388.

Proteus attuartil, inhibition 9290.

Mycobacterium tuberculosis, simmunoglobulin G, detection, enzyme-linked immunosorbent assay, cerebrospinal fluid, meningitis, man 6773. nodules, Pisum sativum roots, Phizobulim leguminosarum interaction 4644, nutrient requirements, bacitracin biosynthesis. Bacilius inhenitoriis 1403. nutritive value, aflatoxins food contamination effects or theories 5352. pathogenesis relationship, purfication, potato spindle tuber viroid infected Lycopersicon esculentum 8853. pili, Bacteroides nodosus, agglutination, absorption, bioassays, methodology 678. hemagglutination 4252. polysaccharides conjugate, vaccines, preparation, gram-negative bacteria, immunogenicity 2323. Commenceme annocement activity, companion, containing, monators, protess vulgaria, antibiotic resistance 6440, antibiotic resistance, clinical isolates 7328, commencement antibacterial activity, comparison, cefotaxime, moxalactam 1388, fuel cells, electron transfer, redox potential mediators 5243. Proteus vulgaris, (continued)

inhibitors, trypsin, chymotrypsin, purification, characterization 6810. β-lactamase, antibiotic resistance, cephalosporins 2194. β-lactamase, biosynthesis, inducers, correlation, penicillins, antibacterial

practamase, polygrupesis, inducers, correlation, penicitiins, antibacterial activity 2261.

β-lactamase, cefoxitin stability 1394.

β-lactamase, eleoxitin stability 1394.

β-lactamase, imipenem, inhibition 2317.

Protocate-outate 3,4-dioxygenase,

2-hydroxypyridine N-oxide analogs binding, inhibition, Pseudomonas aeruginosa asa purification, affinity chromatography, characterization, Pseudomonas fluorescens

Protocatechulc acid, biodegradation, protocatechulate dioxygenase, purification, Pleurotus ostreatus 7754.

7754.

Protocatechulate dioxygenase,
purification, biodegradation, protocatechuic acid, Pleurotus ostreatus 7754.

Protomyces mecroeporus,
galls, leaves, biological control, Torilis japonica 8029.

Protons,
ATP stochiometry, N.M.R., membrane potential, adenosinetriphosphatase, mutants.
Escherichia coli 8531
pumps, Cercospora beticola phytotoxins inhibition, microsomes, Pisum sativum
8744.

pumps, membrane potential, fusicoccin effects on, roots, Zea mays 8739, pumps, respiration (cyanide insensitive), lipex pachyodon, methyl-acethydroxamoilacetate effects on, Triticum aestivum 8745. uptake, Pisum sativum, Cercospora beticola, toxins, inhibition 7122.

populare, risum sairvam, cercuspora bericola, toxins, innibition 7122.

Protoplaem, Mycobacterium paratuberculosis, peptides, enzyme-linked immunosorbent assay methodology, paratuberculosis diagnosis, cattle 4185.

Protoplast fusion,

rotopiast rusion,
auxotrophy, Philozotonia solani 5081.
Bacillus sphaericus, transformation, plasmid pUB110, plasmid pBC16, sporulation,
biological control, Culicidae 2666.
fungi, reviews 6801
penicillib ibosynthesis, genes linkage analysis, Aspergillus nidulans,
Aspergillus ruguiosus 4047.
Sarchaswissanshbarospic (armostation, brawing 3697.

Aspergillus rugulosus 4047.

Saccharomyces carisbergenisi, fermentation, brewing 2687.

Saccharomyces cerevisiae × Saccharomyces diastaticus, media (culture) 5925.

Saccharomyces cerevisiae + Saccharomyces mellisi, fermentation association 971.

Saccharomyces cerevisiae + Saccharomyces mellisi, fermentation sasociation 971.

Sociation 971.

Streptomyces vindesporus, Streptomyces setonii, enhancement, biodegradation, lignin 2702.

transformation, lac plasmid, dairy starters, Streptococcus lactis 8702.

Protoplasts,
Acer pseudoplatanus, fusicoccin effects on pH 7110.

Acer pseudoplatanus, fusicoccin effects on pH 7110. Bacillus colistinus, plasma membranes, role antibiotic resistance, colistin 9074. Bacillus subtilis, gramicidin S cytolysis 7467. Bacillus subtilis, gramicidin S cytolysis 7467. Bacillus estabilis, gramicidin S cytolysis 7467. Bacillus subtilis, gramicidin S cytolysis 7467. Bacillus process, books 3999. Biotechnology, conferences, books 5948. Brassica rapa, turnip rosette virus RNA replication 2045. dermatophyle fungi, isolation, methodology 8483. Dianthus caryophyllus, canation motife virus infection 285. disease resistance, plant viruses, plant breeding 3766. echinomycin biosynthesis, Streptomyces echinatus 8369. enzymes, lignin biodegradation, Formes annosus 8673. formation, methodology, Bacillus brevis 1632. induction, Bificiobacterium bifidum 6752. isolation, centrifugation, density gradients, methodology, Saccharomyces corevisiae 9334. lectins, Triticium aestitum, host-pathogen interactions, rust, Puccinia graminis f, sp. tritici 8092. Micotiana tabacum mesophyli, tobacco mosaic virus coat protein, mRNA

Nicotiana tabacum mesophyll, tobacco mosaic virus coat protein, mRNA

Nicotiana tabacum mesophyll, tobacco mosaic virus coat protein, mRNA characterization 286. plant viruses infection, models 3765. plants, tobacco mosaic virus RNA detection, hybridization analysis, enzyme-linked immunosorbent assay 4499. production, use transformation, dairy starters, lactic acid bacteria 5952. transformation, plasmids DNA, gene transfer, Corynebacterum glutamicum 6059. Trifolium repens, detection, Rhizobium leguminosarum var.trifolii, fluorescence, microscopy 9297.
Trifolium repens, Rhizobium leguminosarum var.trifolii eradication, phages use 8458.

8858

triostin conversion, echinomycin production, Streptomyces echinatus 3133. Vigna unguiculata, cowpea mosaic virus interaction 247.

Protozoa, incidence, industrial effluents, breweries 3208

Incidence, industrial entuents, preweries 3206.

Providencia,
antibacterial activity, antibiotic K-4619 7479.
antibiotic sensitivity testing, photometry, computer applications 3076.
netilmicin sensitivity 6401.

Providencia rettgeri, metabolism, carbon monoxide, carbon dioxide, methanol, fuels production 5312. Providencia stuartil, antibacterial activity, fludalanine+pentizidone 6454. drug resistance, nosocomial infection etiology 6410.

Proviruses, T cell leukemia virus, DNA hybridization analysis, leukemia cells 5884.

Prune dwarf virus, Junk hybrituzation analysis, leukomia colis 3004.

Prune dwarf virus,
detection, Citrus, enzyme-linked immunosorbent assay 6249.

detection, Prunus erzasus, enzyme-linked immunosorbent assay detection 8804.

Pruning, e control, canker, Botryosphaeria dothidea, Malus pumila, USA, Georgia dise

disease control, Ceratocystis fimbriata, wilt, Brazil, Mangifera indica 5440. Humulus lupulus, disease control, downy mildew, Pseudoperonospora humuli, n

1170. natural, Fagus sylvatica, fungal flora association 2105. wound infection, Botryospheeria dothidea, Botryosphaeria ribis, disease control, benomyl-capitan, Prunus persica 8913. wound infection, Cytospora, dieback, Prunus persica 8805. wounds, Trichoderma viride + fungicides, integrated control, Chondrostereum purpureum, spore germination, silver-leaf disease, Prunus domestica 5588.

runus, canker, Pseudomonas syringae pv.syringae, South Africa 274. detection, prunus necrotic ringspot virus, prune dwarf virus, enzyme-linked immunosorbent assay 6251. disease control, fungicides, new records 339. infection, Prunus necrotic ringspot virus, green ring mottle virus-like particles, floavirin foliar applications effects on 3902. leaves, Pseudomonas syringae pv.morsprunorum infection, scanning electron microscopu-2801.

microscopy 2801. Xiphinema californicum, role, disease transmission, tomato ringspot virus 4529. Prunus americana,

Phellinus punctatus incidence, USA, North Dakota 3838. western X disease, mycoplasma-like organisms, disease spread 2802.

Prunus amygdalis, crown gall, biological control, Agrobacterium radiobacter 335. nuts, food contamination, Aspergillus flavus aflatoxins levels 7101.

Fusicoccum amygdali infection, fusicoccin, translocation 8809.

Prunus armeniaca,
canket, Pseudomonas syringae pv.syringae, South Africa 274.

Eurypa armeniacae dieback, spores dispersal 1152.
Monilimia laxa, benomyr iesistance, detection, characterization 1139.

wound infection, Eutypa armeniacae, biological control, antagonism, conidia, Fusarium lateritum 6307.

Prunue avlum, canker, Pseudomonas morsprunorum 5438. mosaic disease, Prunus necrotic ringspot virus, enzyme-linked immunosorbent assay detection, use, disease control, USA, Washington 3812. tissue culture, growth, Gigaspora margarita 5926. transmission (vertical), cherry leaf roll virus, virus-like particles, localization, pollen, anthers 7990.

Prunus cerasifera, infection, tomato ringspot virus 7997.

> Prunus domestica, rootstocks, hybrids, susceptibility, tomato ringspot virus infection 4528.

virus infection 4528

Prunus cereaus,
canker, Pseudomonas syringae pv.morspunorum, disease control, copper sulfate,
fatty acids copper salts 344.
prune dwarf virus infection, enzyme-linked immunosorbent assay detection 8804.

Prunus domestica,
infection, tomato ingspot virus 7997.
infection, tomato ingspot virus 7997.
infection, Xanthornonas campestris var.pruni, scanning electron microscopy 7158.

Prunus cerasifera, rootstocks, hybrids, susceptibility, tomato ringspot
virus infection 4528.

Prunus persica, rootstocks, hybrids, susceptibility, tomato ringspot virus

× Prunus persica, rootstocks, hybrids, susceptibility, tomato ringspot virus infection 4528.

Prunus dulcis,

x Prunus persica, rootstocks, nyonas, susceptibility, tomato ringspot virus infection 4528.

Prunus dulots, Pseudomonas syringae var.syringae infection, pathology 7165.

Prunus necrotic ringspot, transmission (seed), Prunus spinosa, characterization 8003.

Prunus necrotic ringspot virus, detection, Cirus, enzyme-inked immunosorbent assay 6249. detection Prunus, enzyme-inked immunosorbent assay 6251. infection Prunus, enzyme-inked immunosorbent assay 6251. infection Prunus, enzyme-inked immunosorbent assay 6251. infection Prunus, enzyme-inked immunosorbent assay detection, use, disease control, USA, Washington 3812. rose mosaic disease, Rosa corymbifera 820.

Prunus persica, canker, Pseudomonas syringae, South Africa 274. canker, virulence, Pseudomonas syringae px syringae, South Africa 274. canker, virulence, Pseudomonas syringae px syringae 8810. cell culture, Xanthomonas campestris px.pruni, loxicity, detection, bioassays, association, membrane potential 9156. crown gall, biological control, Agrobacterium radiobacter 334. crown gall, biological control, Agrobacterium radiobacter 334. crown gall, biological control, Agrobacterium radiobacter 335. disease resistance plant breeding screening projects, inoculation methodology, Cytospora leucostoma 5487. fruits, in vitro, in vivo, temperature effects on Monilinia fructicola conidia spore germination, size, pathogenicity 7992. infection, tomato ringspot virus 7997. orchards, olibromochloropropane, disease control, Criconemella xenoplax, effects on Fusarium, Pythium, roots necrosis, Prunus persica 7164. orchards, soil microorganisms CGA-15281 biodegradation, structure-activity relationships 5686. overwintering, Pseudomonas syringae pv. syringae 6247. pruning, wound infection, dieback, Cytospora 8805.

x Prunus domestica, rootstocks, hybrids, susceptibility, tomato ringspot virus infection, dieback, Cytospora 8805.

stem pitting, tomato ringspot virus, disease reservoirs, Taraxicum officinale, vectors, Xiphimena, USA, Pennsylvania 8811. vendo ringspot virus infection, detection, enzyme-linked immunosorbent assay

Normal Sylem, water potential, phony disease, bacteria 8879.

Prunus persica nectarina,

fruits, in vitro, in vivo, temperature effects on Monilinia fructicola conidia

spore germination, size, pathogenicity 7992.

Prunus sallvina,

canker, Pseudomonas syringae pv.syringae, South Africa 274. Prunus spinosa,

Prunus spinosa, transmission (seed), prunus necrotic ringspot, characterization 8003. 
Prunus virginiana, 
Phellinus punctatus incidence, USA, North Dakota 3838. 
western X disease, mycoplasma-like organisms, disease spread 2802. 
Pseudocercospora vitis, 
foliar diseases, seasonal variations, Vitis vinifera 8016. 
Pseudocercosporalia herpotrichoides, 
cathorida zingrug seistance, 5731.

carbendazine resistance 5721.
cytopathology, histopathology, disease resistance, Triticum aestivum 7976.
disease resistance, eye spot, genes, Aegliops ventricosa, transfer, Triticum

aestrum 607.8 drug sensitivity testing, benomyl 3899. endo-1.3-β-D-xylanase, cellulase, a-t-arabinofuranosidase, biosynthesis, activity, isolation, characterization 7761. eye spot, Gramineae, spores, dispersal, inhibition, cellulose xanthate 8058.

Pseudocercosporella herpotrichoides, (continued)
eye spot, relationship, Triticum aestivum respiration 2795.
eye spot, Triticum aestivum, carbendazim resistance association treatment 8129.
eye spot, Triticum aestivum, factors affecting spore gemination 7146.
eyespot, spores dispersal, rainfall, wind, straw, Triticum aestivum 1997.
infection susceptibility, varieties, Triticum aestivum 7975.
spores, dispersal, rainfall, plant diseases 1109.
Pseudococcus longiapinus,
vectors, disease transmission, grapevine virus A, plant diseases, Vitis vinifera
3844.
Pseudocomposerus Pseudomonas, (continued)
TOL plasmid, biodegradation, aromatic hydrocarbons, chlorination 5313.
s-triazine biodegradation 4426. s-triazine biodegradation 4426.

1.3.5-triazine biodegradation, wastewater treatment 2698.
vanillic acid, catabolism, association, biodegradation 1000.
Pseudomonas aeruglinosa,
acyl-CoA synthetase, bioassays, tatty acids serum levels 586.
airborne microorganisms analysis, trains bathrooms 579.
alginic acid, binding, antibiotics, role, antibiotic resistance 6411.
aminoglycoside artibiotics dilution tests 1408.
aminoglycoside artibiotics, outer membranes interaction 9176.
animal solates, horses, drug sensitivity testing, EDTA tris lysozyme effects on 2553. Pseudogymnoascus, soil isolates, cyanuric acid, biodegradation 1894. soil isolates, cydanno aco, prodegradation 2710.

Pseudomonas,
alcohol oxidase, polyvinyl alcohol biodegradation 2710.
alginic acid, biosynthesis, industrial applications 8618.
alkyl sulphatase, purification, characterization, detergents biodegradation 4343.
alkylsulfatase activity, wastewater treatment 6030.
antibacterial activity, cprofloxacin, comparison, nordloxacin, nalidixic acid 6465.
atthouterial activity, snicas. Salvia officinalis 8719. 2253 antibacterial activity, acetonyl salicylate 6484. antibacterial activity, ameloxacin, aztreonam, cephalosporins 7377. antibacterial activity, amiloxacin, aztreonam, cephalosporins 7377. antibacterial activity, antibiotic surportice antipacterial activity, antibiotic antaponism, thienamycin, piperacillin 7442. antibacterial activity, antibiotic 44619 7479. antibacterial activity, antibiotic synergism, L-alanyl-L-1-aminoethylphosphonic activity-carbicotic synergism, L-alanyl-L-1-aminoethylphosphonic antibacterial activity, apalcillin 4940. antibacterial activity, apalcillin comparison, piperacillin, carbenicillin 6527. antibacterial activity, azlocillin 7412. antibacterial activity, azlocillin 7430. alkylsulriause activity, wastewater treatment 6030.

antibacterial activity, ciprofloxacin, comparison, norfloxacin, nalidixic acid
6465.

antibacterial activity, spices, Salvia officinalis 8719.
antibiotic resistivity testing, coftoxime, disc-diffusion test 1387.
antibiotic sensitivity testing, photometry, computer applications 3076.
benzoic acid biodegradation kinetics 6944.
biodegradation, aromatic compounds+halogens, mechanisms, reviews 7826.
biodegradation, nutrient sources, N-(phosphonometryl)glycine 8884.
biodegradation, pristatance, heavy metals pollution 3680.
biodegradation, resistance, heavy metals pollution 3680.
cell membranes, polyvinyl alcohol oxidation enzymes, purification, characterization 1742.
cellulose decomposition, soil 6339.
cell membranes, polyvinyl alcohol oxidation enzymes, purification, characterization 1742.
cellulose decomposition, soil 6339.
cholocalidation, stemalization, anaerobic conditions 4427.
clinical isolates, antibacterial activity, aminoglycoside antibiotics 7444.
clinical isolates, antibacterial activity, bactericial activity, obsekacin, gertamicin, tobramycin 6540.
clinical isolates, antibacterial activity, bactericial activity, obsekacin, gertamicin, tobramycin 6540.
clinical isolates, antibacterial activity, bactericial activity, obsekacin, 3156 3156.
antibacterial activity, aztreonam, antibiotic synergism 6504.
antibacterial activity, ceffizoxime 4827.
antibacterial activity, ceptiolosporins 4825.
antibacterial activity, ciprofloxacin 4745.
antibacterial activity, ciprofloxacin 4746.
antibacterial activity, enoxacin 9090.
antibacterial activity, undalanine+-pentizidone 6454.
antibacterial activity, mangostin, derivatives, isolation, Garcinia mangostana 4783 4783. antibacterial activity, mezlocillin, piperacillin, azlocillin 7431. antibacterial activity, norfloxacin 9100. antibacterial activity, temocillin, antibiotic synergism, β-lactam antibiotics 3122. antibacterial activity, WIN 49375 9091. antibacterial activity, 1-(hydroxymethyl)-2,1-benzisoxazol-3(1H)-one analogs 9140 9140.
antibiotic resistance, β-lactam antibiotics, lipopolysaccharides structure, membrane permeability 7349.
antibiotic resistance, colonial characteristics 526. antibiotic resistance, colonial characteristics 526 antibiotic resistance, cross-resistance, cps-tesistance, cps-tesistance, cps-tesistance, antibiotic resistance, screening 7315, antibiotic resistance, surveys, British Isles 9059, antibiotic sensitivity testing, 3079, antibiotic sensitivity testing, β-tactam antibiotics 4801, antibiotic sensitivity testing, β-tactam antibiotic 5811, antibiotic sensitivity testing, antibiotic HR810 6511, antibiotic sensitivity testing, antibiotic HR810 6511, antibiotic sensitivity testing, antibiotic fixed from the fixed properties of the fi culture 8833

flagellin, isolation, characterization 11,
flosculation mutants, deoxyribonuclease susceptibility 4929,
fluorescence pigments production, media (selective) 7608,
food contamination, chickens, volatiles production 5317,
glycocyaminase, purification, characterization, peptide mapping, comparison
Pseudomonas aeruginosa 4290,
growth rate, measuring techniques, continuous culture 1639,
homocysteine biosynthesis 4268,
hydrocarbons biodegradation, mechanisms 3988.
hydrocarbons biodegradation, piasmids, genetic analysis, reviews 8284,
impodeoxycholic acid conversion, anaerobic conditions, products identification
876, 1391. antibiotics antibacterial activity determination, counting methods 2239. antimicrobial agents antibacterial activity, urine specimens 3048. antiseptics antibacterial activity, surfactants effects on 9261. AutoMicrobic test, antibiotic sensitivity testing, gentamicin, tobramycin, arnikacin 5778. hydoacoycholic acid conversion, anaerobic conditions, products identification 878.

Immobilized cells, phenylalanine, conversion, tyrosine 875.

Incoculation, mizosphere, yield stimulation, Parthenium argentatum 8213.

Inositol-binding protein, purification, characterication 5955.

Isolation, antibiotics production industrial wastes, R factors characterization, antibiotic resistance 2208.

Isolation, antibiotic sentitiotic resistance, β-lactamase role 438.

Isolation, antibiotics antibiotic resistance, β-lactamase role 438.

Isolation, mixosphere, Oryza sativa, nitrogen fixation 5653.

Isolation, antibiotics antibiotic resistance, β-lactamase role 438.

Isolation, fixingia speciosa 6273.

Isevels, grain dust, gram-negative bacteria 7109.

Inetabolism, furan, tetrahyrforfuran, reviews 7824.

Inethanol utilization, homocysteine methylation, L-methionine production 4264.

Inethylere chioride, metabolism, biodegradation 3651.

Inonosodium methanearsonate, metabolism, conversion 1284.

Mycobacterium, mixed culture, hydrocarbons oxidation 7312.

Introus oxide bioaccumulation, reduction inhibition, oxygen association 2157.

Introus oxide pioaccumulation, eavier 1876.

Introus oxide bioaccumulation, eavier 1876.

Introus oxide pioaccumulation, eavier 1876.

Introus oxi amiliacin 5778. azilocilin antibiotecrial activity, disc-diffusion test quality control 2262. azurin, N.M.R. 2564. azurin, N.M.R. 6528. bactericidal activity, antibiotic antagonism, antibiotic synergism, β-lactam antibiotics, aminoglycoside antibiotics 7403. bactericidal activity, azlocillin, ticarcillin, dilution tests, comparison, agar diffusion test 4841. bactericidal activity, azlocillin, ticarcillin, dilution tests, comparison, agar diffusion test 4841.

bacteriostasis, catecholamide, iron catecholamide 448.

batteriostasis, catecholamide, iron catecholamide 448.

batts, contamination, skin infection, man 566.

biodegradation, disinifectants, acclimatization, activated sludge 4112.

biodegradation, hydrocarbons, industrial effluents, oil and gas industry, wastewater treatment, Egypt 2190.

capsules antigens, use complement fixation assays 2467.

Carica papava plant extracts antibacterial activity 2220.

catabolism pathway, evolution, enzymes activity, reviews 7821.

cefoperazone antibacterial activity comparison, cephalosporins, N-formimidoyl thienamycin 508.

cefpimizode, antibacterial activity, opar diffusion test 2259.

cefrazidime antibacterial activity, agar diffusion test 2259.

cefrazidime antibacterial activity, coastal waters 560.

chloramines disinfection, pl+ effects on 9246.

clinical isolates, aphacterial activity, carbeniciliin 7345.

clinical isolates, antibacterial activity, carbenicilin 7345.

clinical isolates, antibiotic resistance, aminoglycoside antibiotics, Turkey, USA 2195. 2195. Clinical isolates, antibiotic resistance, antibacterial activity, amoxicillin+clavulanic acid 7438. Clinical isolates, antibiotic sensitivity testing, aminoglycoside antibiotics, disc-diffusion test, statistical analysis 479. Clinical isolates, aciocillin antibiotic resistance 5715. Clinical isolates, aciocillin antibiotic resistance sortic sensitivity testing, amikacin, antibiotic synergism, aztreonam, piperacillin, ticarcillin 3170. clinical isolates, Nigeria, amibiotic sensitivity testing 7416. clinical isolates, Nigeria, amibiotic sensitivity testing 7416. clinical isolates, norfloxacin, antibacterial activity 4752. siderophores, antagonism, phytopathogenic rungi, ⊵rwinia, mizospnere, tuberosum 2830.

soft rof, isolation methodology 1089.

soli microorganisms, methoxychior effects on, biodegradation 9024.

spollage, smoke preservation, seafood, Scombridae 8718.

spollage, vacuum packaging, films, oxygen permeability, mutton 5362.

spollage, vacuum packaging, ntrogen packaging, luncheon meat 8715.

thiotropocin, structure 6551.

```
Pseudomonas aeruginosa, (continued)
contamination, iodophors, association, polyvinyl chloride, role, survival 6723.
contamination, iodophors, characterization 7539
continuous culture, lipidis production, surfactants 6922.
corrosion, dental restorative materials, plastics 4965.
cross-resistance, cinoxacin, ciprofloxacin, antibiotic DJ-6783, enoxacin,
nalidixic acid, norfloxacin, oxolinic acid 6421.
cytochrome peroxidase, cyvanide, azide, fluoride binding, E.S.R. 3469.
cytotoxins, pathogenicity, Manduca sexta biological control, reviews 5211.
disinfectants antibacterial activity, surfaces types 5862.
drug resistance, norfloxacin, nalidixic acid 4700.
empyema clinical isolates, β-lactam antibiotics antibacterial activity 497.
ethambutol, inhibition, spermidine synthase 7353.
exotoxin A, hybrids, biotechnology, genetic engineering 7121.
extracellular proteinase, purification, characterization 1812.
R factors, antibiotic resistance, transfer, Escherichia coli, clinical isolates,
neonates, man 9043.
dlicultitis, spas, baths, case reports, man 7530.
M form defective mutant, alginic acid role, lipase stimulation 2570.
gentamicin, antibiotic resistance, lipopolysaccharides structure 7350.
gentamicin, antibiotic resistance, lipopolysaccharides structure 7350.
gentamicin, antibiotic resistance, lipopolysaccharides structure 7350.
gentamicin, antibiotic sensitivity testing, quality control, mathematical models
1400.
                           gentamicni, antibiotic sensitivity testing, quality control, mathematical models 1400, gentamicni bacteriostasis, bone fatty acids, synergism, antagonism 4052, gentamicni bacteriostasis, bone fatty acids, synergism, antagonism 4052, glycocarrinephosphate isomerase (glutamine-forming) activity, anticapsin inactivation 6043. hydrocarbons biodegradation 4683, ice nucleation activity, Citrus sinensis, Citrus aurantium 2805. incidence, drinking water, Hungary 4939. indicator species, clinication, swimming pools 567. indicator species, domestic wastes 2342. indicator species, domestic wastes 5347. isolation, food, hospitals, kitchens 5347. isolation, food, hospitals, kitchens 5347. isolation, food, hospitals, kitchens 5347. isolation, food, sensitivity testing 7417. plactam antibiotics ensitivity testing 7417. plactamase, antibiotic resistance, plactamase, association, antibiotic resistance, plactamase, association, antibiotic resistance, piperacillin, ceftazidime, cefsulodin 4696.
                           cefsulodin 4696.

β-lactamase, carbenicillin hydrolysis 2619.

β-lactamase, detection, iodometry, micromethods 8562.

media (culture), enhancement, pigments, production 7617.

membrane permeability, antibiotic resistance, β-lactam antibiotics 9081.

α-methylstyrene biodegradation, bacteria 2700.

microbial pollution, estuaries 5713.

netilmicin agar diffusion test 4865.

nitriting pacteria, nitrification, denitrification, soil 3966.

nitrite reductase (cytochrome) reduction, intrite, stoichiometry, nitrous oxide production 7709.
                              infrogen sources, quinoline biodegradation kinetics 6951.

Infrogen sources, quinoline biodegradation kinetics 6951.

norfloxacin disc-diffusion test, bacteria, standardization 3047.

norfloxacin drug sensitivity testing 9095

oil oxidation 7311.
                                 pathogens, toxicity, biological control, Solenopsis richteri, Solenopsis invicta 5257.
                              periciliin-binding protein, binding, aminobenzyl-peniciliin apalciliin, characterization 7432. peptidoglycolpids, chemical composition 966. peritoritis, disease control, U.V. radiation, decontamination, dialysis, man 6718.
                              6718.

Phages infected, polymyxin B induction lysis 4856.

piperacillin antibacterial activity 6526.

plasmid pVS1, mercuric reductase, NADPH reaction, kinetics, mechanisms 1762.

proteinase, extracellular enzymes, stimulation, whey, casein 1810.

protocatechulae 3.4-cloxygenase, 2-hydroxypyridine N-oxide analogs binding, inhibition 888.

serum becacidal activity, aztreonam + cennerazone + amikacin 8344.
proreinase, extracellular enzymes, stimulation, whey, cases in 1810. protocatechuale 3,4-floxygenase, 2-hydroxypyridine N-oxide analogs binding, inhibition 888. serum bactericidal activity, aztreonam, ± cefoperazone, ± amikacin 8344. siderophores structure 870. slimes, spoilage, milk 6176. sodium alginate extracellular polymers antibodies, detection, enzyme-linked immunosorbent assay 761. surfaces colonization, mathematical models, continuous culture 5059. surivival, oil samples 9040. loxoids, production, genetic analysis, immunogenicity 540. trimethoprim, drug resistance, characterization 9079. urinary tract clinical isolates, identification, antibiotic sensitivity testing, methodology 3315. vaccines, development, immunogenicity, mice 6683. wild type, envelopes mutants, sensitivity, association, antibiotics, preservatives, cell membranes role 3080. pesudomonas atlentica, β-agarase, purification, characterization 887. Pseudomonas aureofacilens, hydrocarbons, metabolism, wells contamination 1497. nitrifying bacteria, altification, delirification, soil 3966. phenazinas, biodegradation 2716. pyrrolitrim derivatives, biosynthesis 3139. Pseudomonas carpophylli, crown rot, leaf rot, Limonium sinuatum, etiology 4560. Pseudomonas carpophylli, crown rot, leaf rot, Limonium sinuatum, etiology 4560. Pseudomonas capcila, bactericidal activity, povidine-iodine 452. biodegradation, 274,5-T soil pollution 3679. 2-chiorobenzole acid utilization 6904. et 182. biodegradation, arbibiotic synergism, azreonam, piperacillin, ticarcillin 3170. +Frankia, Alnus rutra rodulation 400. et 182. inoculation, spot pathogenesis, Pelargonium hortorum, Chrysanthemum morifolium inoculation, spot pathogenesis, Pelargonium hortorum, Chrysanthemum morifolium inoculation, spot pathogenesis, Pelargonium hortorum, Chrysanthemum morifolium
```

```
Pseudomonas cichorii, (continued)
 Pseudomonas corrugata,
             necrosis, immunodiagnosis, enzyme-linked immunosorbent assay, Lycopersicon esculentum 8835.
 Pseudomonas dacunhae,
immobilized cells, ammonium fumarate conversion, L-alanine 7.
polyurethane immobilization, aspartate 4-decarboxylase activity, L-alanine
biosythesis 8525.
 biosythesis 8525

Pseudomonas dentirfilcans,
5-aminolaevulinate synthase, mediation, betaine, stimulation, cyanocobalamin,
biosynthesis 6094

betaine, stimulation, cyanocobalamin, production, association, protein
biosynthesis 4041

nitriate reductase, purification, characterization 6045,
nitrifying bacteria, nitrification, dentirification, soil 3966,
nitrogen containing aromatic compounds, biodegradation 1005,
2,4,6-trinitrotoluene biodegradation 4432,
oil oxidation 7311.

Pseudomonas deamoliticum,
oil oxidation 7311.

Pseudomonas elodes,
gels, extracellular polymers, polysaccharides, carbohydrate composition 4369,
gels, extracellular polymers, polysaccharides, carbohydrate composition 4369.
             seguls, extracellular polymers, polysaccharides, carbohydrate composition 4369, 
gums, polysaccharides, extracellular polymers, carbohydrate composition 4366. 
seudomonas fluorescens, 
antibiotics production, stimulation, rats growth, Citrus jambhiri, Citrus 
sinensis 5625.
           sinensis 5625, antimicrosis 5625, antimicrosis 625, artimicrosis activity, flavorings 9143, azurin, fluorescence, role copper 909, carboxylase, purification, characterization, electrophoresis 6869, B-D-glucosidase activity effects on dairy products shell life 6197, growth, nitropen sources, cyanide biodegradation, ammonia biosynthesis 1877, lupine dehydrogenase, isolation, characterization 6009, media (selectivo) 7608, plasmids, biodegradation, ethylbenzene, 1-phenylethanol 4425, proteinase, peptides hydrofysis 1809, proteinase production, nutrient availability, carbon sources, nitrogen, phosphate 7749.
             protocatechuate 3,4-dioxygenase purification, affinity chromatography, characterization 3486. pseudomonic acid, N.M.R. 7457.
characterization 3486; pseudomonic acid, N.M.R. 7457. pyoluteorin biosynthesis, soil, use biological control, damping-off, Pythium ultimum 2888 safracin, fermentation, antitumor activity 958, seed treatments, biological control, Gaeumannomyces graminis var.tritici, take-ail, Triticum aestivum 336, triacylglycerol lipase, themical modification, benzene interaction 6033. triacylglycerol lipase, fluorometry, milk 21, triacylglycerol lipase, peta i nactivation 5146. triacylglycerol lipase production, carbon sources 1806. triacylglycerol lipase production, carbon sources 1806. triacylglycerol lipase, purification, characterization 4283. Pseudomonae geniculata, antimicrobial activity, liavorings 9143. Pseudomonae glaciolia, etiology, let' spot, leaf blight, Asplenium nidus 4563. Pseudomonae glycinea, disease resistance, Glycine max leaves, hypersensitive response 319. Pseudomonae sincognita, biologradation, dhydrolinalyl acetate 6957. Pseudomonae incognita, oli oxidation, dhydrolinalyl acetate 6957. Pseudomonae incognita, oli oxidation, dhydrolinalyl acetate 6957. Pseudomonae incognita, oli oxidation, dhydrolinalyl acetate 6957. Pseudomonae incognita, incompleta in production (production) and 
OF OXIDATION 73.

Besudomonas maltophilla, antibacterial activity, antibotic synergism, carbenicillin+rifampicin, +gentamicin, +cotrimoxazole 3091. 
+gentamicin, +cotrimoxazole 3091. 
antibotic synergism, carbenicillin+rifampicin, +gentamicin+cotrimoxazole 3091. 
B-lactamase, purification, characterization 4285.

Pseudomonas melanogenum, amoxicilin production, B-lactamase deficient mutant 3104. 
Penicillin amidase, synthesis penicillins, cephalosporins 505. 
Pseudomonas mendocina, alginic acid biosynthesis 950. 
Pseudomonas morsprunorum, canker, Prunus avium 5438. 
Pseudomonas paucimobilis, in situ freeze-thawing effects on soil microorganisms 4638. 
oxazinomycin, production, characterization 6564. 
Pseudomonas phereolicotaminus, cytochrome c552, N.M.R. 7710. 
Pseudomonas phaseolica, contracterization cell walls, ultrastructure, Prisasolus vulgaria 2785. 
Pseudomonas phaseolicolosis, cancer, stant breading. Phaseolus vulgaria 5491.
 ultrastructure, Phaseolus vulgaris 2785.
Pseudomonas phaseolicola,
halo blight, disease resistance genes, plant breeding, Phaseolus vulgaris 5481.
Pseudomonas pseudomallel,
aspartic acid hydrazdes, inhibition, growth 8302.
identification methodology 2469.
Pseudomonas putida,
alcohol dehydrogenase use, alcohols determination methodology 29.
amino-acid racemase, kinetics, S-(N-methylithiocarbamoyl)-D,L-cysteine,
inactivation 5151.
antagonism, Erwinia. biological control. soft rot. post-harvest decay. Solanum
             antagonism, Erwinia, biological control, soft rot, post-harvest decay, Solanum tuberosum 8112.
             antibiotics production, stimulation, rats growth, Citrus jambhiri, Citrus sinensis 5625.
               aromatic compounds biodegradation, pathway characterization, plasmids genetic
             control, reviews 8279.
biodegradation, chloropicrin dehalogenation 6159.
           ulouegradation, chloropicrin dehalogenatior. 6159.
biodegradation, nicotine, enantiomers 6149.
biodegradation, oxidation, laudanoscine 2715.
biodegradation, 2,4-D, phenoxyacetic acid, chlorine derivatives,
structure-activity relationships, hydrophobicity 1882.
camphor 5-monooxygenase, pulidaredoxin, cytochrome P-450 amino acid sequence
6000.
             Sc(carboxymethyl)-D-cysteine biosynthesis 4822.
catechol 2,3-dioxygenase, inactivation kinetics, 3-chlorocatechol, 3-fluorocatechol 3449.
             3-chlorobenzoic acid biodegradation, plasmids, gene transfer 1008.
```

Pseudomonas putida, (continued)
continuous culture, films formation, environmental effects 669,
continuous culture, films formation, environmental effects 669,
continuous culture, films formation, environmental effects 669,
continuous culture, films of the continu Pseudomonas syringae tabsci, (continued)
Nicotiana tabacum 317.
Pseudomonas syringae var.papulans,
bister spot, pathology, Malus pumila, Italy 7161.
Pseudomonas syringae var.savastanol,
media (selective), methodology 7591.
Pseudomonas syringae var.savringae,
infection, Prunus duleis, pathology 7165. infection, Prunus dulcis, pathology /165.
Pseudomonas tolassil,
blotch, Agaricus bisporus, pathology, phenotyping 4564
Pseudomonas virldiffava,
leaf blight, Lycopersicon esculentum, etiology 4561.
Pseudomonic acid,
antibacterial activity; Staphylococcus aureus 4727.
N.M.R., Pseudomonas fluorescens 7457. L-methionine γ-lyase, mechanisms, synthesis sulfur, selenium containing amino L-methionine y-lyase, purification, characterization 17.
L-methionine y-lyase, use, purification, characterization 6846.
L-methionine y-lyase, use, amino acids isotopes radioactive labelling 4311.

4-methoxybenzoate monoxygenase (O-demethylating), putidamonoxin active sites, Mossbauer spectroscopy 5176.
muconate cycloisomerase, kinetics S 908.
muconate cycloisomerase, kinetics S 9.8. 18.9.
-nitrophenol, m-nitrophenol, biodegradation 6167.
-nitrophenol, m-nitrophenol, biodegradation 6167.
-packaging, organoleptic evaluation, vacuum packaging, nitrogen packaging, valuer 18.3.
-tophenolamide immobilization effects on prombolory. INM biservithesis 1814.
-tophenolamide immobilization effects on prombolory. INM biservithesis 1814. 8839.

Pseudoperonospora humuli,
downy mildew, Humulus lupulus, disease control, comparison, disease resistance
cultivars, pruning, fungicides, reviews 1170.

Pseudopeziza trifolii,
leafspot, Trifolium repens 8761.

Pseudoplusia Includens,
includens, polyacrylamide immobilization, effects on morphology, DNA biosynthesis 1614. Rhizobium leguminosarum var.phaseoli, nodulation, Phaseolus vulgaris, effects on 5658. 5659.
sun/vial, soil moisture, suppression, Fusarium oxysporum, wilt, Linum usitatissimum 2897.
thiolester hydrolase, 2-(2,4-dichlorophenoxy)ethyl sulfate activation, soil 880.
Pseudomonas rathonis, ally sulfonates biodegradation, use wastewater treatment 6952.
Pseudomonas solanacearum, avirulent strains, bacteriocins production, biological control, wilt, Nicotiana tabacum 8113.
cell adhesion, Nicotiana tabacum cells, leaves cell walls 6282.
disease resistance, wilt, Solanum sparsipilum, cross-resistance, Meloidogyne 8097. secucionalia includens, biological control, epizootiology, Nomuraea rileyi 5214. pathogens, isolation, Entomophthora gammae 6088. virulence, temperature, dosage effects on, Anticarsia gemmatalis 5212. seudoraense virus, antiviral activity, 9-(2-hydroxyethoxymethyl)guanine 6476. antiviral activity, 9-(2-hydroxyethoxymethyl)guanine 6476. macrolide ambibotics, potentiation, 9-(2-hydroxyethoxymethyl)guanine, antiviral macrolide antibiotics, potentiation, 9-(2-hydroxyethoxymethyl)guanine, antiviral activity 6475, nucleocapsids, antigens, use, skin tests, pigs 617, photoinactivation, methylene blue, light, electricity 468, vaccines, use, preparation, Lens culinaris ngglutinins+agarose immobilization, pigs 3182. Pseudotsuga douglasili, inoculum efficacy, immobilized cells, ectomycorrhizas 8163. Pseudotsuga menziesili, callus culture, disease resistance, Phaeolus schweinitzii infection 2826. clear cutting, burning, effects on ectomycorrhizas association 7231. endomycorrhizas symboisis, role, drought tolerance, USA 2913. fertilizer applications stimulation phosphate nutrient uptake, ectomycorrhizas 5574. inoculation methodology, Solanum tuberosum blight 8871. lipopolysaccharides, extracellular polysaccharides, interaction, Solanum tuberosum agglutinins 6285. lipopolysaccharides structure, role, hypersensitive response, Nicotiana tabacum 7163. /1039 poctate lyase, polygalacturonase, physicochemical properties 8611. plant diseases, soil, population dynamics 6218. in diseases soil, population dynamics 6218. with, Arachis hypogaea, soil, water availability, effects on pathogenesis 249. with, disease resistance, germplasm, Solanum sucrense, Solanum tuberosum 8090. with, disease resistance, plant breeding, Capsicum annuum, Capsicum frutescens 8094, with host range, crops 7177.

Pseudomonas statzerl, biodegradation, nutrient sources, N-(phosphonomethyl)glycine 8684.

Pseudomonas striata, Lens cullinaris seed treatments, phosphate fertilizer applications efficiency 4620. 5574.

torests, fungi, biomass, hyphae 1232.
host specificity, Verticicladiella wageneri, morphology, variants 4613.
inoculum, Pisolithus inctorius, spores 5579.
Laccaria laccata, ectomycorrhizas, aromatic compounds, biological control, root rof, Fusarium oxysporum 5562.
ignocelluloses, streams, factors affecting, microorganisms, biodegradation 999.
mycorrhizas, bifenox, chlorothal, napropamide, effects on, development 5582.
needlicast, Phaeocryptopus gaeumannii, effects on harvesting leaves dehydrati retention 3911. Lens cunnaris seed treatments, prospirate ternizer applications emiciency 4820.

Pseudomonas atutzer, hotogradation, creosote, contamination, aquifers 5815. hotogradation, creosote, contamination, aquifers 5815. hotogradation, creosote, contamination, aquifers 5815. hotogradation, creosote, profession, profession, and creosote isoenzymes, purification, kinetics 1792. silver resistance, mines isolates 4698. hotogradation, activity, pathogenicity, fruit trees 2804. infection, stimulation phytoalexins production, host-pathogen interactions, cell culture, Glycine max 2058. leafspot, flower blight, Philadelphus coronarius 1160. toxins biosynthesis, plant diseases association 6209. variants, pathogenesis, plant diseases 3773. hotogradation, activity, Pseudomonas syringse pv.berberfdle, etiology, leafspot, leaf fall, Berberis, British Isles 8873. hotogradations as yringse pv.glycines, blight, Glycine max, epidemiology 3799. hotogradations syringse pv.morsprunorum, infection, scanning electron microscopy, leaves, Prunus 2801. retention 3911.
pathogenicity, Calocera viscosa 5597.
pathogenicity, Calocera viscosa 5597.
pathogens, Caloscypha fulgens, dissemination, Mammalia 7237.
Phellinus weirii infection, growth reduction determination 3923.
Phytophthora pseudotsugae root rot, etiology, pathogenesis 3909.
roots biomass, mycormizas association 3945.
roots, Pisolithus tinctorius spores inoculation, seedlings survival 5607.
seedlings, mycormizas growth, forests litter effects on 5546.
seedlings, silviculture, root rot, Phytophthora, disease control, metalaxyl 8927.
cytisus scoparius 8159.
Verticicladiella wageneri black stain, thinning association 3924. Psidium, leaves, in situ effects on Azotobacter 4643. Psidlum guajava, post-harvest decay, fruit rot, fungi 8876. Psilocin, isolation, high-performance liquid chromatography, alkaloids, Psilocybe 3751. canker, disease control, copper sulfate, fatty acids copper salts, Prunus cerasus 344. Pallocybe, alkaloids, baeocystin, psilocin, psilocybin, isolation, high-performance liquid chromatography 3751. 344.

Yesudomonas syringae pv.papulans,
overwintering, Malus 6252.

Pseudomonas syringae pv.phaseolicola,
halo blight, disease resistance, Phaseolus vulgaris 5406.
phytotoxins, amino acid composition 1940.
production, phaseolotoxin, phosphosulfarnylornithine 2763. chromatography 3751.

Psilocybin,
Psilocybin,
Isolation, high-performance liquid chromatography, alkaloids, Psilocybe 3751.

Psophocarpus tetragonolobus,
flour, nitrogen sources, L-lysine production, Corynebacterium glutamicum,
Brevibacterium flavum 7670. phytotoxins, amino acid composition 1940.

production, phaseolotoxin, phosphosulfarmylornithine 2763.

Pseudomonas, syringse pv.savastanoi,
pathogenicity, Olea europea, pathology 6253.

Pseudomonas syringse pv.syringse,
pseudomonas syringse pv.syringse,
pseudomonas syringse pv.syringse,
portunitario, pseudomona, pseudomonas, pseudomonas,
portunitario, pseudomona, pseudomonas,
portunitario, pseudomona, pseudomonas,
provervintering, Punus persica 6247.

Prunus canker, Psouth Africa 274.

virulence, canker, Prunus persica, Malus, Pyrus 8810.

Pseudomonas syringse pv.tagetis,
infection, Heliarthus tuberosus, chlorosis, leafspot 3849.

Pseudomonas syringse pv.tomato,
factors affecting survival, speck, Lycopersicon esculentum 276.

speck, disease resistance genes, inheritance, Lycopersicon 2828,
speck, disease resistance, plant breeding, cultivars, Lycopersicon esculentum
1179.

speck, disease resistance sersening projects, genetic analysis, Lycopersicon phyllody, mycoplasma-like organisms, leaves lesions, ultrastructure 8773. 
Peorophora columblee, biological control, paddy fields, aerial applications, distribution, formulations, Bacillus thuringiensis 6902. 
biological control, paddy fields, Bacillus thuringiensis 5264. 
Psychrophilic bacteria, gram-negative bacteria, isolation, cold storage, seafood, Melanogrammus agelefinus 8703. 
Psychrophilic microorganisms, leaves decomposition 5306, yeasts, protecytic enzymes, lipolysis, food contamination, seafood 5340. 
Psychrotrophic bacteria, enumeration, automated methods, electrical impedance, milk 5315. 
food contamination, pork 6966. 
packaging, organoleptic evaluation, vacuum packaging, nitrogen packaging, veal 5363. 
proteinase production, milk contamination, pitrogen effects on 7849. 1179.
speck, disease resistance screening projects, genetic analysis, Lycopersicon esculentum 5482.
speck, Lycopersicon esculentum, acid rain 4554.
speck, phages use detection, Lycopersicon esculentum 8823.
Pseudomonas syringae tabaci,
wildfire disease resistance, inheritance, plant breeding, callus culture, 5063, proteinase production, milk contamination, nitrogen effects on 7849, protein/sic enzymes, dairy products isolates 1057, spoilage, temperature, shelf life, poutlyr, meat products 6972, spoilage, vacuum packaging, nitrogen packaging, luncheon meat 8715.

Psychrotrophic microorganisms, leaves decomposition 5306. yeasts, proteolytic enzymes, lipolysis, food contamination, seafood 5340.

leaves decomposition is over yeasts, proteolytic enzymes, lipolysis, food contamination, seatood 5340.

Public health, bacteria, indicator species, accumulation, filter feeders, Gryphaea gasar 3217. environmental hygiene, disease control, conferences 1501.

Indi disposal, wastewater treatment, reviews, bibliographies 4911. meat, contamination, microbiology, bacteria 4452. Microbial pollution, environmental hygiene, conferences 7642. Mycobacterium, Streptococcus, leachates, waste disposal, landfills 3198, pathogens, viruses, Escherichia coli, sewage sludge, land disposal 2367. risks, Bivalvia viruses carriage, aquaculture, reviews 2386. risks, sivuses microbial pollution, standards, environmental monitoring, reviews, books 2537.

risks, viruses microbial pollution, waste water aerosols irrigation, reviews

sewage treatment, bacteria, viruses 2363.
Solid wastes, disease transmission, Rodentia, Diptera, bacteria, fungi, viruses 2361.

solid wastes disposal, environmental hygiene 2370.
Staphylococcus contamination, dairy products, India 1056.
waste water, survival, rotavirus, reovirus 1459.
water pollution, water analysis, reviews, bibliographies 4946.

rust, Triticum aestivum seedlings, linkage analysis 258. rust, Triticum, LANDSAT, monitoring, epidemics, Pakistan 6246.

rust, Triticum, LANDSAT, monitoring, epidemics, Pakistan 6246.

Puccinia arachidis,
rust, Arachis hypogaea, leaves phenolic acids levels association 8771.

Puccinia brachypodil,
rust, Poa annua, India 2036.

Puccinia canaliculata,
biological control, Cyperus esculentus, characterization 1848.

Puccinia cardui-pyon-coephali,
rust, biological control, Carduus tenuiflorus, Carduus pycnocephalus 8025.

Puccinia carduorum, biological control, Carduus nutans susceptibility, weed control 6073 Puccinia chondrillina,

biological control, Chondrilla juncea weed control 6075. biological control, life cycle, Chondrilla juncea weed control, USA, Washington 6074.

Puccinia coronata

crown rust, β-D-fructofuranosidase physicochemical properties, leaves, Avena sativa 2109.

sativa 2109.
crown rust, disease resistance, Avena sterilis 4577.
disease resistance genetic screening, Avena sativa 5489.
infection, urediniospores production, cell culture, coleoptile, Avena sativa

2791. leaf rust, Lolium, disease resistance, cultivars 3874.

leaf rust, Lolium, disease resistance, cultivars 3874.

Puccinia coronata I.sp.avenee,
crown rust, Avena sativa, disease resistance, genetic analysis 3868.

crown rust, pathogenesis, Avena byzantina 7982.

Puccinia grammilis,
races, incidence, geographical distribution, USA, Mexico, isolation, Avena
sativa, Triticum aestivum 1125.

spore germination, lectins effects on 3877.
stem rust, inheritance disease resistance, Triticum aestivum 6293.
stem rust, races, virulence, host-pathogen interactions, disease resistance,
plant breeding, Triticum aestivum 2859.
urediniospores, rust, Gramineae, epidemiology 5417.

Puccinia grammins f.sp.secalls,

urediniospores, rust, Gramineae, epidemiology 5417.

Pucchia graminia 1.ap.eccalis,
races, distribution, virulence, Scacle cereale, North America 265.
rust, disease resistance, plant breeding, Hordeum vulgare 8073.

Pucchia graminia 1.ap.trittel,
infection, host plants cultivars effects on, leaves culture 1991.
rust, disease resistance, brome mosaic virus infection effects on, Triticum
aestivum 263.

aestivum 263, rust, host-pathogen interactions, disease resistance, Triticum aestivum 8092, stem rust, disease resistance, Agropyron elongatum, transfer, recombination, Triticum aestivum 314, stem rust, disease resistance, inheritance, Sr gene, Triticum aestivum 315, stem rust, disease resistance, Puccinia helianthi induction, Triticum aestivum 293.

term rust, epidemiology, disease resistance, Austria, Triticum aestivum 6244, stem rust, hypersensitive response, lignin biosynthesis, Triticum aestivum 2059, stem rust, pathogenesis, disease resistance, Triticum aestivum aestivum seedings, linkage analysis 250 stem rust, triticum aestivum seedings, linkage analysis 250 stem rust, uredinicopores, disease transmission, brome mosaic virus, Triticum

stern rust, urganizospores, disease transmission, prome mosac virus, miscuri aestivum 2789, stem rust, virulence genes, plant breeding, Triticum aestivum, books 4239, urediniospores, brome mosaic virus, disease transmission, stem rust, Triticum aestivum 2790.

uredospores, infectivity analysis, association Triticum aestivum stem rust 250 virulence, genes, association, stem rust, geographical distribution 7972. virulence, rust, association, gene expression, geographical distribution 7922. uccinia helianthi,

Induction disease resistance, leaf rust, stem rust, Triticum aestivum 293. plant diseases, Helianthus tuberosus, effects on yield 5457. rust, Helianthus annuus, Australia 8014.

rust, Helianthus annuus, Australia 8014.

\*\*Puccinia hordei,
brown rust, Hordeum vulgare, pathogenesis 5424.
disease resistance, hybridization, Pa3 gene, Pa7 gene, Hordeum vulgare 8063.
host range, Hordeum vulgare races, disease resistance 1995.
leaf rust, disease resistance breeding, Hordeum vulgare 301.
parasitism, Hordeum spontaneum, Omithogalum, characterization 7968.
rust, disease resistance, genes, host-pathogen interactions, models, Hordeum vulgare 2860.

urediniospores, aerosols, deposition, methodology, Hordeum vulgare 8786 urediniospores, aerosolis, oeposituni, metucionery, ucecinie hordinane, white rust, Chrysanthemum, epidemiology, Australia 2024. luccinia japonica, rust, Anemone flaccida, life cycle 8011. ucecinia melanocephala, rust, Saccharum, epidemiology, USA 1124. lucelista noaries.

uccinia poarum, infection, Tussilago farfara, pathogenesis, carbon dioxide antifungal activity

Puccinia polysora, rust, disease resistance inheritance, Zea mays 8071. rust, disease re Puccinia paidii,

rust disease resistance, Eucalyptus 5594 ruccinia recondita,

uccinia recondita, brown rust, disease resistance, inheritance, Triticum aestivum 2836. disease resistance, Triticum aestivum, characterization 4578. leaf rust, disease control, seed treatments, fungicides, triticum aestivum 26 leaf rust, disease resistance, Triticum aestivum, genetic control 2054. leaf rust, patriology, Triticum aestivum 7961. leaf rust, Triticum aestivum seediings, inklagie analysis 258. rust, micilemoe, Triticum X-brough carbon service proposition of the pr

7935.
rust, Vicia faba, triadimefon effects on ultrastructure 8131.
stem rust, races, virulence, host-pathogen interactions, disease resistance, plant breeding, Triticum essitum 285a urediniospores, rust, Gramineae, epidemiology 5417.

urediniospores, rust, Gramineae, epidemiology 5417.

Pucclina recondita f.sp. secells,
leaf rust, disease resistance, inheritance, plant breeding, Secale cereale 8907.

Pucclina recondita f.sp. tritlct,
disease resistance, Triticum 1197.
factors affecting, triticum aestivum, disease resistance 3957.
leaf rust, disease resistance, inheritance, plant breeding, Secale cereale 8907.
leaf rust, disease resistance, inheritance, penetic control, Triticum aestivum 8069 leaf rust, disease resistance, Puccinia helianthi induction, Triticum aestivum

293 leaf rust, urediniospores, disease transmission, brome mosaic virus, Triticum

aestivum 2789 Puccinia sorghi, leaf rust, effects on carbofuran translocation, Zea mays 259. virulence, rust, Zea mays 5423. Puccinia striiformis,

stripe rust, disease control, seed treatments, fungicides, triticum aestivum 2904.

stripe rust disease resistance, gene transfer, plant breeding, Triticum dicoccoides × Triticum durum, Triticum aestivum 3860. disease resistance, genes, chromosomes location, Triticum aestivum supplied in the stripe rust, disease resistance, genes, chromosomes location, Triticum aestivum

2834

2834.
stripe rust disease resistance, inheritance, growth stage, vegetative cells, Triticum hybrids 2886.
stripe rust disease resistance, inheritance, plant breeding, Triticum 5476. stripe rust, Triticum aestivum seedlings, linkage analysis 258. stripe rust, Triticum aestivum, USA, Pacific Northwest, models 252. yellow rust, Triticum aestivum, pathogenesis 4515.
Pucclial striticina, brown rust disease resistance, Triticum aestivum 5486.

Pullcidae, pest control, Bacillus thuringiensis subsp.berliner, β-exotoxin clays formulations 4398 Pullulan.

biosynthesis optimization, Aureobasidium pullulans, peat hydrolysates media 6055. biosynthesis, Pullularia pullulans 947. Pullulariase

Klebsiella aerogenes, immobilized enzymes, starch processing 111. production, yeasts 8546. Pullularia pullulans,

pullulan biosynthe Pulp,

Pulp,
Agave fourcroydes, use production, polygalacturonase, pectinolytic enzymes,
Aspergilius niger 5189.
Pulp mills,
effluents, biodegradation, bacteria 1467.
industrial effluents, biodegradation, digestion (anaerobic), toxicity, wastewater
treatment, methanogenic bacteria 6699.
industrial effluents, digestion (anaerobic), Clostridium butyricum 3204.
industrial effluents, wastewater treatment, lagoons, mutagenicity industrial

industrial effluents, wastewater treatment, lagoons, mutagenicity industrial effluents 4903.
industrial effluents, wastewater treatment, rotating discs, fungi 2341.
industrial effluents, 12-chlorodehydroabietic acid, detoxification, Mortierella isabellina 2706.

lignin hydrolysis, enzymes, fungi 49. use, biotechnology, wastewater treatment, production, reviews 8397. waste water, industrial efflients, lignin, fungi, coastal waters 1455. wood, carbohydrates fermentation, solvents production, Clostndium 5259.

Pulse radiolysis, flavodoxin, viologen reduction, Megasphaera elsdenii 858.

Punica granatum, fruits, Beltraniella humicola spot, new records 2002. Fusarium fusarioides leafspot, new records 2004.

Pupae, biological control, pest control, Beauveria bassiana, inoculum survival, soil, pupae 5213. Purines,

analogs, synthesis, antiviral activity 4032

amaious, synthesis, anuviai acuviy 4032. structure, antiviral activity 8329. Purple blotch, Alium cepa, Alternaria porri nutrient requirements 2037. Alternaria porri, factors affecting, pathogenesis, Alium cepa 8839.

Purple membranes, bacteriorhodopsin pigments, C.D., Halobacterium halobium 4257.

Putldamonooxin, active sites, 4-methoxybenzoate monooxygenase (O-demethylating), Mossbauer spectroscopy, Pseudomonas putida 5176.

Putidaredoxin, amino acid sequence, Pseudomonas putida 6000.

Putrescine, marine bacteria, biodegradation, sea water, media (culture) 3676.

Pycnoporus clinabarinus, biodegradation, lignocelluloses, cotton, ginning, industrial wastes, textile industry 6164 a-D-galactosidase, purification, characterization 7694.

Pyracantha, host plants, fireblight, reviews 7166. Pyrantel tartrate,

tylosin, +lincomycin, feeds, prophylaxis, treatment, Treponema hyodysenteriae,

Pyrus communis, (continued)
Erwinia amylovora fire blight, legislation, disease control 5463.
fire blight, Erwinia amylovora, epidemiology, detection 5462.
Pyrus amygdailformis, disease resistance, Venturia pyrina scab, Mycosphaerella sentina leafspot 8060. Pyrantel tartrate, (continued) dysentery, pigs 1918. Pyrazinamid, Mycobacterium tuberculosis rium tuberculosis susceptibility, methodology 1320. Pyrazinamide, Pyrazinamios, ± ritampicin, artibacterial activity, Mycobacterium, nephelometry 7354. Pyrazine carboxylamidase, activity, screening, identification, Corynebacterium diphtheriae 5909. Pyrazorurin, Pyrus pyrifolia, dieback, canker, Botryodiplodia theobromae, pathology 8807. dieback, canker, Botryodiplodia theobromae, pathology 8807.

Pyruvate carboxylase,
acyl-CoA activation, asparic acid inhibition, yeasts 889.
purification, characterization, Thiobacillus noveltus 6847.

Pyruvate decarboxylase,
catalysis, pyruvic acid, acetaldehyde, acetoin by-products, chromatography use,
Saccharomyces cerevisiae 7721.

Pyruvate dehydrogenase (lipoamide),
complex, dorrains structure, N.M.R., Bacillus stearothermophilus 3462.
dihydrolipoamide acetyltransferase dihydrolipoamide dehydrogenase complex
activity, histidine residues role, p-(tromosacetyl)-amino phenyl
arsenoxide inhibition, Escherichia ooli 3522. Pyrazofurin, artiviral activity, RNA viruses 4020.
6-Pyrazofo benzoxazofee, antimicrobial activity, RNA viruses 4020.
6-Pyrazofo benzoxazofee, antimicrobial activity, microorganisms, characterization 8340.
Pyrazofo-[3,4-c]-pyrazofe hemiazadicarbocyanine, antimicrobial activity, 7393.
Pyrazofo-[3,4-d]-pyrimidine-4(5H)-seione nucleosides, antiviral activity, measles virus, herpes simplex virus 2 9119.
Pyrazofo-[4,3-d]-pyrimidine nucleosides, formycin B nanlogs, antiviral activity 9118.
Pyremophora teres, infection, hordeum vulgare, factors affecting pathogenesis 7946.
Pyrenocheeta lycopersich, solicitication, Lycopersicon esculentum roots brown rot 7176. sporulation induction methodology 1673. active sites activity, bromopyruvic acid inhibition, Escherichia coli 2623. Pyruvate kinase, deficient mutant, aspartic acid production, Brevibacterium flavum 7661. deficient mutant, hysine production, Brevibacterium flavum 8527. lysine production, Brevibacterium flavum 1728. sporulation induction methodology 1673.

Pyrenopezize brassicae,
spores, dispersal, rainfall, plant diseases 1109.

Pyrenophore teres,
cytopathogenicity, net blotch, Hordeum vulgare 1982.
net blotch, barley yellow dwarf virus effects on disease resistance, Hordeum vulgare 198.

Pyrenophora trichoatoma,
plant diseases, incidence, Elymus junceus 1134.

Pyricularia oryzae,
antibiotics production, morphology association 2255.
antifungal activity, diaryl methylphosphonates, structure-activity relationships 3885. Pyruvate oxidase, Lactobacillus plantarum, purification, characterization 8584. Lactobacillus plantarum, purnication, characterization 8594.

Pyrtuvic acid,
deficient mutant, Clostridium saccharolyticum, ethanol production 152.
effects on Salmonella recovery, feeds, media (enrichment) 3322.
lactate dehydrogenase reduction, kinetics, Phycomyces blakesleeanus 2620.
pyruvate decarboxylase catalysis, acetaldehyde, acetoin by-products,
chromatography use, Saccharomyces cerevisiae 7721.

Pythiaceae. rhizosphere, Lycopersicon esculentum, Oryza sativa, Triticum vulgare, Pisum sativum 8220. sativum 8220.

Pythlum,
antagonism, rhizosphere actinomycetes, Eucalyptus marginata, Pinus radiata 209t
damping-off, blight, disease control, agricultural practices comparison
fungicides, Phaseolus vulgaris 1210.
damping-off, disease resistance, Philippines, Nicotiana tabacum 7179.
damping-off, Eucalyptus, incidence, greenhouses 8942.
damping-off, Pinus banksiana, Picea mari-ina, soil amendment, organic matter,
effects on 1239
dieback, fungicides, disease control, Daucus carota 8116.
etiology, Phaseolus vulgaris root rot, USA, Wisconsin 7939.
interaction, ectomycorritizas, reviews 393.
isolation, media (selective), soil, Saccharum officinale roots 1993.
microwave radiation soil effects on 3361.
oospores, spore germination, viability, tetrazolium bromide staining 805.
Phaseolus vulgars root rot, effects on N-(phosphonomethylglycine activity 7943.
pod rot, Arachis hypogaea, calcium levels effects on pathogenesis 1121.
roots necrosis, Criconemella xenoplax disease control, dibromochloropropane
effects on, orchards, Prunus persica 7164.
seed oft, Pisum sativum, biological control, use, Trichoderma 2779.
soil-borne diseases, biological control, antagonism, ectomycorrhizas, Fagus 5513.
Pythlum aphanidermatum,
antifungal activity, diaryl methylphosphonates, structure-activity relationships
385.
blight disease control, metalazvi, propamocath, efirsite-Al Armstis 8134. antifungal activity, oxytetracycline, streptomycin, blast, disease control, Oryza sativa 7215. Pythium sativa 7215.
biast disease resistance, inheritance, Oryza sativa 5493.
biast, disease resistance, Oryza sativa 1128.
biast, disease resistance, polygenic inheritance, Oryza sativa 6297.
biast, stesses resistance, polygenic inheritance, Oryza sativa 6297.
biast, stesceptibility, night temperature reflects on, seedings, Oryza Sativa 7978.
biast, stesceptibility, night temperature reflects on, seedings, Oryza Sativa 7958.
disease resistance plant breeding, Oryza sativa 8896.
isoportoticale inhibition appressoria penelertation, blast, Oryza sativa 2892.
pathogenicity, energy role, Oryza sativa varieties 1132.
spore germination, conidia, inhibition, caffeic acid, superoxide, free radicals, role disease resistance, plant diseases 8889.
tricyclazole inhibition appressoria penetration, cell walls, Oryza sativa 2092.
Pyridine-2-azo-p-dimethylaniline cephalosporin,
antibacterial activity, 8-factamase indicators, gram-negative bacteria, clinical microbiology 501.
Pyrtdines, Pyridines, solubility, biodegradability, microorganisms 6158.

Pyridoxal 5'-phosphate, aromatic-Lamino-acid decarboxylase requirements, Micrococcus percitreus 1817. inactivation leucine dehydrogenase, substrate specificity, kinetics, Bacillus sphaericus 5149.

Pyridoxine,
bioassays, Saccharomyces carlsbergensis 813.

Pyrinidine nucleosides,
analogs, arniviral activity, herpes simplex virus 1 7391. analogs, antiviral activiry, herpes simplex virus 1 7391.

Pyrtte,
iron(III) oxidation, mining, iron-oxidizing bacteria 5689.
oxidation, man release, role adsorption, thiobacilius ferrooxidans 5691.

Pyrogens,
tests, Escherichia coli lipopolysaccharides, association heat treatments 227.

Pyrolysis,
chromatography, Enterobacteriaceae identification 9324.

Pyrolysia products,
gas chromatography, strains identification, Metarhizium anisopliae 4227.
mass spectroscopy, identification, Bacillus 5052.

Pyrollutin,
metaria in the signification, Bacillus 5052. 3885 blight, disease control, metalaxyl, propamocarb, efosite-Al, Agrostis 8134. damping-off, Lycopersicon esculentum, disease control, benomyl, demosan, capta disease reservoirs, soil-borne diseases, baiting substrates, seeds, Cucumis sativus 8763. sativus 8763, plant diseases, biological control, Trichoderma harzianum 4589. root rot, benomyl, PCNB, Ficus benjamina 8916. Thiophene derivatives antifungal activity, photoinduction 3060. Iniopnene derivatives antifungal activity, photoinduction 3060. Pythium aristoporum, etiology, Phaseolus vulgaris root rot, USA, Wisconsin 7939. Pythium butleri, damping-off, Vigna unquiculata, fungicides disease control, herbicides soil soil applications effects on 2090. Pythium catenulatum, mass specroscopy, identification, bacillus 5052.

Pyrrointrin,
analogs, synthesis, artibacterial activity 3171.
analogs, synthesis, artibacterial activity 3171.
analogs, synthesis, artibacterial activity 3171.
physicochemical properties, biological properties, Actinosporangium vitaminophilum 2285.
structure, Actinosporangium 2287.

Pyrroiomycin D,
physicochemical properties, biological properties, Actinosporangium vitaminophilum 2285.
structure, Actinosporangium 2287.

Pyrroiomycin E,
physicochemical properties, biological properties, Actinosporangium vitaminophilum 2285.
structure, Actinosporangium 2287.

Pyrroiomycin E,
Actinosporangium vitaminophilum, derivatives, biosynthesis, bromide media, arribacterial activity, arritungal activity 2295.

Pyrroioquinoline quinore,
production, methylotrophic bacteria 4347.

Pyrroicquinoline quinore,
production, methylotrophic bacteria 4347. Pythlum catenulatum, etiology. Phaseolus vulgaris root rot, USA, Wisconsin 7939. 
Pythlum debaryanum, infection, disease resistance, role, symptomiess infection, Gibberella zeae, Nigrospora oryzae, Zea mays seeds 8792. 
Pythlum diseatocum, etiology, Phaseolus vulgaris root rot, USA, Wisconsin 7939. 
Pythlum Irregulare, damping-off, disease control, seed treatments, Brassica 8141. 
Pythlum myriotyfum, root rot, disease control, gibberellins, foliar application, Arachis hypogaea 322. oct rot, etiology, pathogenesis, Xanthosoma sagittifolium 8844.

Ythium oligendrum,
biological control, damping-off, Beta vulgaris 8111.

biological control, hyperparasitism, Ahizoctonia soliani 2079.

biological control, Pythium ultimum damping-off, Lepidium sativum seeds 974. biological control, Pythium ultimum damping-off, Lepidium sativum seeds 974, Pythium ultimum, crop residues, Hordeum vulgare, Medicago sativa, smoke, antifungal activity 831 damping-off, biological control, Agrobacterium radiobacter polysaccharides, seed treatments, Beta vulgaris 2891 damping-off, biological control, Agrobacterium radiobacter, extracellular polymers, polysaccharides, seed treatments, Lycopersicon esculentum 6309. damping-off, biological control, use pyoluteorin, biosynthesis, Pseudomonas fluorescens 2888. Pyrus, canker, virulence, Pseudomonas syringae virulence, Prunus persica, Malus, pv.syringae 8810. ost plants, fireblight, reviews 7166. Pyrus amygdiliformia,
Pyrus communis, disease resistance, Venturia pyrina scab, Mycosphaerella sentina lealspot 6080.

33R

Cicer arietinum 8114.

nuorescens zoos.
damping-off, disease control, seed treatments, Brassica 8141.
damping-off, disease control, seed treatments, Brassica 8141.
damping-off, Lepidium sativum seeds, biological control, Pythium ofigandrum 974
damping-off, Medicago sativa seedlings, greenhouses, USA, California 1115.
damping-off, Pisum sativum, disease control, use, Trichoderma viride+funglicides

damping-off, seed rot, biological control, Penicillium oxalicum, seed treatments,

Pyrus communis

cultivars, plant breeding, disease resistance, fireblight, Erwinia amylovora evoez. Erwinia amylovora fire blight, conferences 5947. Erwinia amylovora fire blight, disease control 5443. Erwinia amylovora fire blight, disease transmission, vectors, Apis 5442. Erwinia amylovora fire blight, epidemology 5444.

Pythlum ultimum, (continued)
decline, disease control, efosite-Al, metalaxyl, mancozeb, Vitis vinifera 8122
pathogens, Rhizobium japonicum growth, Glycine max, pesticides effects on 1212
toot rot, Beta vulgaris, Laetisaria arvalis biological control 323.
spore germination, mizosphere, Gossypium hirsutum 1148.
survival, soil, environmental effects 3928.

Quinolones, (continued)
derivatives, ambibotic sensitivity testing, Enterobacteriaceae, clinical sisolates 4726.

Quinovaline-carboxylic acid, analogs, effects on fermentation, echinomycin derivatives biosynthesis.
Streptomyces echinatus 5799.

Quinolones, (continued)
derivatives, ambibotic sensitivity testing, Enterobacteriaceae, clinical sisolates 4726.

Quinovaline-carboxylic acid, analogs, effects on fermentation, echinomycin derivatives biosynthesis.

embryos, cell culture, Sephadex carriers, propagation, mumps virus 7562. uality control,

tuality control, agar diffusion test, ampicillin+sulbactarm antibacterial activity 4834. agar diffusion test, antimicrobial agents susceptibility 1379. agar diffusion test, bacteria 4037. agar diffusion test, bacteria 4037. agar diffusion test, bacteria 4037. artibiotic sensitivity testing, clinical microbiology 4688. artibiotic sensitivity testing, clinical microbiology laboratories, Norway 4040. artibiotic sensitivity testing, clinical microbiology 1421. blood culture, microorganisms contamination 4036. cephalothin antibiotic sensitivity testing 4828. clinical microbiology 1371. cosmatics production, environmental hygiene 8426. discadifusion test, antibiotic sensitivity testing 8348. discadifusion test, artibiotic sensitivity testing, apacillin 7439. discadifusion test, Pseudomonas aeruginosa azlocillin antibacterial activity 2262.

282.

282.

282.

283.

284.

285.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

286.

sterilization, pharmaceuticals 9146,
Vibrio isolation, media (isolation), statistical analysis 1622,
yogurt production, books 5097.

Cuarantine,
disease control, disease spread, plant diseases 1193,
introduced species, phytopathogenic fungi spores, New Zealand 6329.

Cuaternary alkylammonium compounds,
biodegradation, industrial wastes, Pseudomonas 1017.

Cuaternary ammonium compounds,
alkylthiomethyl-isochinolinium chloride, antimicrobial activity, spores, fungi,
bacteria 9135.

bactera 9 135. antifungal activity, antibacterial activity 9132. disinfection 1513. inhibition, proteolytic enzymes, Bacillus subtilis 4957. surfactants, biodegradation, freshwater microorganisms 5311.

ectomycorrhizas, nitrogen fertilizers effects on 3941.
pathogenicity, Hypoxylon atropunctatum 5593.
Pisotilhus binctorius inoculation, methodology, reviews 831.
powdery mildew, Erysiphales, epidemiology, spectrophotometry 7917.
wilt, Ceratocystis fagacearum, aerial photography surveys, USA, Texas 8189.
wilt, Ceratocystis fagacearum, epidemiology, USA, West Virginia 1236.
wood, storage conditions, survival, wilt, Ceratocystis fagacearum 8956.
Cuercus elba,

cellulose, lignin, Xylobolus frustulatus, biodegradation 3674. defoliation, ethanol levels, association colonization, dieback, Armillaria mellea

Quercus borealis

live roots, biodegradation, soil microorganisms 6322 Quercus llex,

polyprenois biosynthesis, relationship, Microsphaera alphitoides infection 2825. uercus Imbricaria,

Seedlings, endomycomhizas, ectomycomhizas 5564.

Quercus leevis,
wilt, Ceratocystis fagacearum, pathogenesis, USA, South Carolina 2115.

Quercus petraes,
forests, litter fall decomposition, British Isles 352.

plantations, inoculation, ectomycorrhizas 7220

Quercus robur,

tuercus robur, branches, lungal flora 7218. defense mechanism, suberin characterization, disease resistance, Stereum gausapatum 7235. lungal flora 5609.

plantations, inoculation, ectomycorrhizas 7220. Quercus rubra,

cellulose, lignin, Xylobolus frustulatus, biodegradation 3674. seedlings, Pisolithus tinctorius inoculation, nutrient uptake, phosphorus, ntrate 8935.

Quercus velutina

defoliation, ethanol levels, association colonization, dieback, Armillaria mellea

defoliation, ethelor research as 5586.

Guinacillin sulfone, B-lactamase inhibitors, gram-negative bacteria 9161.

Guinaldorfur, antibacterial activity, Staphylococcus, Streptococcus, cow's milk, correlation, mastitis, disease control, cattle 5773.

Quinazolone-4, derivatives, antifungal activity 320.

Quincline

biodegradation, kinetics, nitrogen sources, Pseudomonas aeruginosa 6951.

Quinolines,
derivatives, enoxacin, antibacterial activity, Enterobacteriaceae 6448.

Quinolones, antibacterial activity 9091. antibacterial activity, Legionella 5729.

Quintozene, antifungal activity, sensitivity, isolates variability, Rhizoctonia solani 8117. pesticide resistance, Sclerotium cepivorum 5529.

abbits,
animal models, meningitis, Escherichia coli, Listeria monocytogenes,
antibacterial activity, mezlocilin 4884.
animal models, Streptococcus faecalis endocarditis, antibacterial activity,
gentamicin, = mezlocilin, ± ampicilin 4838.
antibody response, influenza virus hemagglutinins genes, vaccinia virus
transfection 4887.
antisera, Pseudomonas cepacia serotyping methodology 1636.
rabies virus antibodies determination, counter immunoelectrophoresis correlation,
fluorescent antibody test 3250.
Salmonella minnescota immunopolobulin G. enzyme-linked immunoschent assav 245

IIII/Ofescent antibody test 3250. Salmonella minnesota immunosorbent assay 2459. Salmonella minnesota immunoglobulin G, enzyme-linked immunosorbent assay syphilis, immunoglobulin M detection, enzyme-linked immunosorbent assay methodology, Treponoma phagedenis flagella 765.

methodology. Treponoma phagedenis flagella 765.

Rables virus,
antibodies determination, counter immunoelectrophoresis correlation, fluorescent
antibody test, rabbits 3250.

antigens, immunoelectron microscopy, localization, central nervous system,
embedding, methodology 4999.
antiviral activity, tungstoanimoniate derivatives, virazole, adenosine
derivatives 4765.

uernatures 47.02 glycoproteins antigenic determinants localization, vaccines production 6632 glycoproteins, gene expression, Escherichia coli, genetic engineering, vaccines production 6621 membranes glycoproteins, incorporation, lysosomes, vaccines, antibody response, mice 6660.

Inica ocou. pathogenicity, immunogenicity, association vaccines 1451. strains, immunogenicity, vaccines production, Vulpes vulpes 6629. vaccines development 4894. vaccines, new records, clinical trials, man 9221.

Racemization,

L-aspartic acid oxidation, β-lactam antibiotics synthesis 9205. bacteria enzymes, synthesis, L-lysine, L-cysteine 4.

Racemomycin, antibiotic resistance, genes, cloning, Streptomyces 1314.

Rachiplusia nu, biological control, pathogens, nuclear polyhedrosis virus 2659. Rachiplusia ou,

cal control, pathogens, nuclear polyhedrosis virus 2659.

Radiation,

antibiotics sterilization 1378

antibiotics sterilization 1378. 
+ chemicals pretreatment, crop residues, effects on enzymes hydrolysis 1044. 
Clostridium botulinum spores, effects on 4468. 
disinfection, bacteria, fishery products, feeds 5359. 
disinfection, sewage sludge 551. 
effects on, antimicrobial activity, antimicrobial agents 1359. 
effects on Clostridium botulinum toxins production, bacon contamination 7039. 
polymerization, glucose isomerase activity, immobilization, Streptomyces phaeochromogenes 5178. 
polymerization, immobilized cells, antibodies adsorption, Escherichia coli 5896. 
polymerization, immobilized cells, celiulase hydrolysis, sawdust, Trichoderma resesi 6304.

reesel 6949.

reesel 6949.

resultation, neutral proteinase, immobilization, thermal stability, activity 1759.

Programmer of the community of the commu

radiation,
corn, ethanol production, yeasts, effects on 151.
disinfection, sewage sludge, coliforms, Pseudomonas, Bacillus 5823.
effects on Vigna unguiculata Rhizobium, soils (acid) 2951.
Escherichia coli injuries, antibiotics sensitivity, cell surface hydrophobicity
2241.

2241. inactivation, viruses, manure, pigs 4087. ilignocelluloses hydrolysis susceptibility, effects on 3654. prevention spoilage, microorganisms, silage, zea mays 6202. treatment, bacteria survival, food contamination 7031. treatment, humic acid biodegradation, activated siludge, leachates 1489. use. preservation. Adaricus bisporus, characterization 8716.

Radioimmunoessay, aflatoxin B1, polityhjene glycol, separation techniques, ligands 7099. association Bacillus anthracis, use, radioactive labelling Staphylococcus aureus protein A 8480.
Clostridium tetani antibodies detection 1610.

comparison, enzyme-linked immunosorbent assay, detection, Haemophilus influenzae antibodies 2515.

comparison, enzyme-linked immunosorbent assay, sensitivity, specificity, hepatitis B surface antigen 7568.

comparison, fluorescence polarization immunoassays, serum levels, vancomycin, man

comparison, immunodiffusion, bovine leukemia virus antibodies detection 3256. coronavirus antibodies detection, enzyme-linked immunosorbent assay comparison 2430.

detection, antigens, antibodies, arenavirus 8455.
detection, Escherichia coli, Vibrio cholerae, enterotoxins, production 3272.
detection, hepatitis B surface antigen, blood donors 1546.
detection immunoglobulin M, Japanese encephalitis virus, serum, immunodiagnosis

detection, Japanese encephalitis virus antibodies, cerebrospinal fluid, man 615, detection, Yersinia pseudotuberculosis subsp.pestis, antigens, tissues 1574. diagnosis, hepatitis B virus, infection, man 640. hepatitis B surface antigen 4983.

Radioimmunoassay, (continued)
identification, Bacillus anthracis, spores, methodology 677.
methodology, identification, blood transfusion, disease transmission, hepatitis
B, nor-A, non-B hepatitis, acquired immuno deficiency syndrome, man 646.
methodology, influenza A virus diagnosis, man 4160.
methodology, insessurement, hepatitis B core antigen, antibodies, association,
immunoglobulin M 7563. RecBC protein, reconstitution, deoxyribonuclease, Escherichia coli 1775. Receptors, decayind decase, Exercisina cui in Securiti Receptors, hepatitis B surface antigen, albumin polymers, role liver organotropism, use vaccines production, man, Pan troglodytes 7481. Recombinants,
Clostridium paraputrificum, screening, α-N-acetylgalactosaminidase detection, Clostridium paraputrificum, screening, α-N-acetylgalactosaminidat color, agar 1755.

DNA, biotechnology, industries, books 3367.

BNA, biotechnology, industries, books 3367.

Senetic engineering, vaccines production, picornavirus 6608. genetic engineering, vaccines production, picornavirus 6635. genetic engineering, vaccines production, vaccinia virus 6638. herpes simplex virus, detection, infected cells DNA 5006. influenza A virus vaccines genetic engineering, vaccines production, parapixis 5808. live vaccines production, vaccinia virus 6596. vaccines production, parapixis 5806. laterapiting alias. methodology, Neisseria gonorrhoeae antibodies detection, man 1586. methodology, Vericella-zoster virus immunoglobulin G 5003, methodology, 2-6-diamino-9-(2-hydroxyerbhoxymethyl)purine antiviral agents 2435. monoclonal antibodies, immunodiagnosis, tuberculosis, man 3351. ribavirin 461. rioavrini 461.
rotavirus (human) 3243.
serum enterovirus antibodies, detection 8448.
serum levels, immunoglobuliri M, serum levels, antibody response, BK virus, methodology 9279.
solid phase methods, hepatitis B virus infection, 8 antigen detection, man 8454. vaccines production, rotavirus poses.

Recreation sites,
sewage treatment, composting, USA, Vermont 4922.
water, fecal coliforms, membrane filtration, detection 8418.
Red clover vein mosaic virus,
enzyme-linked immunosorbent assay detection 7927. 8454.
solid phase methods, woodchuck hepatitis virus 597
Staphylococcus aureus enterotoxin Å, food 1942.
Staphylococcus aureus protein Å, enkephalin 1606.
Radiolimmunosorbent test,
hepatitis B surface antigen 604. Red core,
Phytophthora fragariae, vesicular-arbuscular mycorrhizas protection, Fragaria
vesca 5448. hepatitis B surface artigen 604.

Radiometry,
antibiotic sensitivity testing, amphotericin B, fungi 2280.
drug sensitivity testing, Mycobacterium tuberculosis 3051.
methodology, Mycobacterium recovery, respiratory tract, man 1660.

Radiosensitivity,
Bacillus megaterium spores, oxygen levels effects on superoxide dismutase 4743.

Raliway tracks,
association, oil, stimulation, biodeterioration, field trials, fungi, bacteria
1305.

Ralin. Red rust, Cephaleuros virescens, Camellia sinensis 2019. Red stele, Hed stele,
Phytophthora fragariae, disease control, use, fumigation, comparison, fungicides
denches, Fragaria 1182.
Redox properties,
cytochrome c3 structure-activity relationships, Desulfovibrio 5108.
methanogenesis 5695. Rain, fecal coliforms release, cattle feces, water quality 4941. Meducing agents, media (culture), Azospirillum 4175. titanium citrate, media (culture), enumeration, inhibition, growth, anaerobic bacteria, rumen 9301. Read conforms relocated state of the state o Reduction,
cyclohexone, Clostridium growth 1881.
dithiothreitol, sarcosine oxidase, kinetics, Corynebacterium 6842.
manganese, valeincy, bacteria, soil 6386.
nitrous oxide, inhibition, association, bioaccumulation, oxygen, Pseudomonas tropical environment, organic matter decomposition, fungi 2911. effects on Ananas comosus infection pathogenesis, Fusarium moniliforme effects on Ananas comosus infection pathogenesis, Fusarium moniliforme var subgluinans 8344 pesticide applications association, disease control, plant diseases, phytopathogenic fungi, Glycine max 1220. plant diseases, spores dispersal, Pseudocercosporella herpotrichoides, Pyrenopeziza brassicae 1109. Pseudocercosporella herpotrichoides, spores dispersal, eyespot, straw, Trittoum anstitum 1997. Rangelands, soll, nitrogen fixation, indigenous enecies, introduced enecies, facts, abuntante. Refrigeration bacteria spoilage, shelf life predictions, milk 6174. beef, Salmonella surival, antibiotic resistance 7005. meat, bacteria, spoilage 3712. milk, heating, corpreforms identification 6998. milk, pasteurization, shelf life, proteolytic enzymes, bacteria spoilage 6175. soil, nitrogen fixation, indigenous species, introduced species, forbs, shrubs, Leguminosae 7271. Rehydration, solutions, Escherichia coli, contamination, characterization 4967. solutions, Escherichia coli, contamination, characterization 4967. Relative humidity, Cladosporium carpophilum, conidia release, disease spread, scab 272. effects on conidia pathogenicity, replication, Beauveria bassiana, biological control, Blissus leucopterus 7766. effects on post-harvest decay, fungal flora, corn, rice 2051. effects on Suillus luteus fruit bodies formation, plantations, Pinus radiata 5571. Rapeseed, meals, glucosinol, goitrin, biodegradation, Bacillus cereus, Trichosporon cutaneum 1042. Happaseec,
meals, glucosinol, goitrin, biodegradation, Bacillus cereus, Trichosporon
cutaneum 1042.

Rapaseed oil,
use, tungi single-cell protein production 872.

Raphanus arabanistrum,
bobacco streak virus Isolation, characterization, host range 4565.

Raphanus atalvus,
oil, and the stream of t Erysiphe graminis f.sp.hordei, plant diseases, host-pathogen interactions, effects on 1962. enects on 1920.
Tole, pathogenesis, leafspot, Septoria vignicola, Vigna sinensis 8779.
Remote sensing,
disease spread, plant diseases 236.
plant diseases 1096. yield reduction, plant diseases, mathematical models, world 261. Renaturation, phosphatase, electrophoresis, Acholeplasma laidlawii 7707. Renibacterium salmoninarum, kidney diseases, bacterins vaccines, Salmo gairdneri 6662. proteolysis, cheese, Mucor pusillus, Mucor miehei, Endothia parasitica 2741. proteolytic enzymes, production, Basidiomycetes 6829. Reovirus, eovirus, hemagglutinins, attenuation, antigenicity, vaccines production 6627. removal, inactivation, sand filtration methodology, drinking water 9253. serotypes, proteins antigenic determinants, vaccines production 6613. survival, waste water, public health 1459. ultrafiltration isolation, water reclamation 2396. water pollution, rivers, Japan 8423. Reovirus (avian), cell culture, mammalian cells, comparison, Aves cells 5001.

cell cultule; members research Recovirus 1, analogs antiviral activity 4772.

Repeated sequence, ribosomal protein S1, role, translation, poly(U), poly(A), Escherichia coli 4258.

Recellents. industrial protein 51, role, translation, poly(U), poly(A), Escherichia coli 42t Repellenta, Ctenocephalides felis, efficacy, Saccharomyces carlsbergensis, dogs 6092. Replication,

Rhodospirillum rubrum photosynthesis, preparation internacional paratrology.

Reactors,

Reactors,

activated sludge, cutting fluids biodegradation, bacteria identification 178. anaerobic conditions, methanogenesis films, ultrastructure 6397. callulose hydrorlysis, cellulase, frichoderma, Geotrichum candidum 7736. continuous culture, denitrifying bacteria population levels, organic compounds, nitrite, intrate, effects on 660. design, digestion (anaerobic), methanogenesis, animal wastes, methane use 5699. design, nigestion (anaerobic), methanogenesis, surveys, Europe, books 7639. design, methanogenesis, manure, digestion (anaerobic) 5824. digestion (anaerobic), cheses whey, methanogeneoutorion 3197. digestion (anaerobic), methanogenesis, mathematical models, animal wastes, chickens 6394. epineation, cytomegalovirus (human), antiviral activity, 9-1(3-dihydroxy-2-propoxymethyl)guanine± interferon 9115. cytomegalovirus (human), inhibition, D,L-α-difluoromethylomithine antiviral activity 4762.

cytomegalovirus (human), nucleosides, analogs, effects on 4022. Epstein-Barr virus, inhibition, 9-(1,3-dihydroxy-2-propoxymethyl)guanine antiviral activity 4761.

antiviral activity 4/61.

Influenza A virus, a-interferon-rimantadine hydrochloride+ribavirin,
inhibition 3066.

influenza A virus, a-interferon-rimantadine hydrochloride+ribavirin,
inhibition 3066.

influenza A virus, antiviral activity, coumermycin 9112,
phage 646 (MLB), dairy starters, Cheddar cheese production, Streptococcus lactis
4456. Chickens 8:394.
gliucose fermentation, lactic acid production, Lactobacillus delbreuckii 864.
sucrose fermentation, ethanol production, Zymomonas 153.
supports, aeration, nitrification, modeling, wastewater treatment 6670,
wastewater treatment, nitrification, ammonification 2354.

plant viruses RNA, replication actinomycin D sensitivity, Vigna unguiculata leaves infection 7931: poliovirus, vesicular stomatitis virus, 6-diazo-5-oxo-L-norieucine, 2-deoxy-D-gueose, effects on 9127: poliovirus 1, encephalomyccarditis virus, prostaglandin E1 inhibition, cell

Reagents, indole test, identification, gram-negative bacilli 707

```
Replication, (continued) culture 7385.
```

culture 7:35.
retrovirus, cell culture, coumermycin A, inhibition 9126.
tumip rosette virus RNA, Brassica rapa protoplasts 20:45.
verapamii, inhibition, influenza A virus, MDCk cells 8331.
vesicular stomatitis virus, HeLa cells, nucleotides, antiviral activi
viruses, 2-bromo-2-chloro-1,1,1-trifluoroethane, effects on 6474.

antiviral activity 8334.

Repressors, binding sites, transposon Tn10, genetic control, tetracycline, antibiotic resistance, Escherichia coli 1315.

herpes simplex virus 1, cell culture, nucleic acids pretreatment effects on 463. inhibition, infection, bean yellow mosaic virus, Echtes Ackerbohnen-mosaic virus, pea leaf roll virus, Vicia faba 7938. turkeys, females, feeding regimes, Fusarium mycotoxins 3720. 

Reproductive organs, growth, relationship nitrogenase, acetylene reduction, actinorrhizas, Alnus 
guitnosa 8155.

Reptilia, teces, Salmonella cultivation techniques, zoological gardens 4208.

Resazurin,
reduction, microorganisms biological activity, monitoring, activated sludge 549.
reduction, microorganisms biological activity, monitoring, activated sludge 549.
toxicity testing, soil microorganisms 398.
Research programs,
biotechnology, books 9338,
digestion (anaerobic), recommendations 7506.
Researvoire,
biodegradation, wood, aquatic microorganisms, sub-polar environments 7838.
British Isles, coliforms concentrations, models analysis 2401.
microbial pollution, actinomycetes, fungi, odor intensity, relationship pH,
oxygen 3212.
oll recovery, reviews, hydrocarbon-degrading bacteria 8286.
pollution effects, mines acids drainage, leaf litter decomposition, bacteria
4429.
Residues.

Residues

captan, use, disease control, scab, Malus numila 8925

Daemonorops draco, antibacterial activity, Staphylococcus aureus 2211. **Hesins** 

adsorption rotavirus (simian) SA11, poliovirus 1, drinking water 1496. effects on Aspergillus niger morphology, use, biomass measuring techniques 1677 leaves, Hymenaea, Copaliera, antifungal activity, Pestalotia subcuticularis 5506. Resistant mutant,

arsenic acid, relationship streptothricin biosynthesis, Streptomyces noursei 6572 Bacillus thuringiensis, U.V. radiation, temperature, use biological control Insecta 6746.

insect a 6740.

catabolite repression, Trichoderma reesei, cellulase, production, screening, media (enrichment) 1797.

Escherichia coli, formation, globomycin effects on 6556.

L-serine analogues, bacteria, L-serine biosynthesis enhancement 1705.

Thermomonospora curvata, catabolite repression, cellulase biosynthesis 1746.

Respiration, enhancement provipility testing chemical collution, cellulate in chemical collution.

espiration, activated sludge, bioassays, toxicity testing, chemical pollution, pollution monitoring 543. activated steps of the property of

metabolism, tin antifungal activity, Cunninghamella echinulata, Fusanum oxysporum 1341.
monitoring, sewage sludge, composting 5842.
soil microorganisms, association, water potential, soils (loam) 2149.
soil microorganisms, herbicides effects on 8254.
soil microorganisms, iprodione effects on 1286.
soil microorganisms, soil characteristics, grasslands 395.
soil microorganisms, 2-4-D, pesticide pollution 412.
soil, soil microorganisms biomass, nitrogen soil amendment 2931.
Triticum aestivum, relationship, Pseudocercosporella herpotrichoides eye spot 2795. Inflictim aestivum, felationship, Pseudocercosporella neriporticiliones e 2795. uncouplers, turimycin biosynthesis, Streptomyces hygroscopicus 4872. Respiration (cyanide Inaenatitive), cytochromes, correlation, cyanide, resistance, bacteria 9045. lysine biosynthesis, Brevibacterium flavum 4267. lysine production, chemostats, Brevibacterium flavum 7669.

Respiratory enzymes, mitochondria, induction, n-alkanes metabolism, Lodderomyces 7307. Respiratory quotient, monitoring, biomass production, optimization, continuous culture, Saccharomyces cerevisiae 8501.

Respiratory syncytlal virus, antibodies, detection, enzyme-linked immunosorbent assay 1554. antibodies, eterction, enzyme-linked immunosorbent assay methodology, comparison, complement fixation, neutralization 5008.

fixation, neutralization 5008.

artibodies, specificity, immunoprecipitation, electrophoresis, methodology 7566. artibiodies, specificity, immunoprecipitation, electrophoresis, methodology 7566. activities activity, interferon 1346. clinical isolates, detection, immunosfuorest assay, methodology 1561. detection, nasopharynx secretions, fluorescent artibody test 1556. detection, nasopharynx secretions, sues, immunoprecipitation, delection, enzyme-linked immunosorbent assay diagnosis, children 1564. proteins, purrification, characterization, delentication, methodology 645. proteins, purification, characterization 4269. proteins, purification, characterization, purification, characterization, delentication, methodology 645. acceptable of the production of the purification, characterization, infected cell culture 3437.

ceil culture 3437.
yaccines production, genomes characterization 6690.
Respiratory tract,
isolation, bacteria, aribitotic sensitivity testing 3088.
man, Mycobacterium recovery, radiometry methodology 1660.
Streptoscocus pneumoniae, detection, enaerobic conditions, incubation 5908.
viruses isolates, antiviral activity, interferon, cattle 4759.
Respiratory tract diseases,
Chiamydia trachomatis aritibodies, immunofluorescence, man 4196.
Restriction endonuclease mapping,
DNA, plasmids, antibiotic resistance, tetracycline, Haemophilus ducreyl 3027.

Restriction endonuclease mapping, (continued) typing, clinical isolates, herpes simplex virus 755 Retinoic acid,

effects on herpes simplex virus 1 replication 9110.

antifungal activity, antibacterial activity 6491. derivatives, antimicrobial activity 6486. Retinylphosphate mannose,

Saccharomyces cerevisiae, biosynthesis, biochemical characteristics 2631.
Retrovirus,

infection, fibroblasts, leupeptin inhibition 469. y-interferon, antiviral activity, cell culture 7390, replication, cell culture, coumermycin A, inhibition 9126.

Retrovirus (avian), disinfectants antiviral activity 4026.

Retrovirus (feline), quantification, immunoassays methodology, cell culture monolayers 6749.

Retrovirus (murine), quantification, immunoassays methodology, cell culture monolayers 6749. Retting.

erung. Aspergilius niger, fibers, Cocos nucifera 7792. Erwinia carotovora pectinolytic enzymes, bark, Broussonetia kazinoki 7680. ferrmented food, cassava, organoleptic evaluation, lactic acid bacteria, Corynebacterium, Bacilius, Candida 3698.

Reverse osmosis, membranes, fouling, Mycobacterium cell adhesion kinetics, wastewater treatment 2383

Reviews, actinorrhizas, nitrogen fixation, Casuarinaceae, tropical environment 2914 affinity chromatography, purification, fermentation products, biotechnology 5227. aflatoxicosis, association, food contamination, man, domestic animals, historical account 7046. aflatoxins food contamination, aflatoxicosis association, historical account

7049

aflatoxins food contamination, corn, control 222. aflatoxins food contamination, production, grain, companson, Zea mays, factors

anatomis lode Cumlaminatori, productioni, grain, compansori, 22a mays, tactors affecting 7052. Agrobacterium radiobacter, biological control, crown gall, fruit trees 333. airborne microorganisms, fungi, sampling, measuring techniques, incidence 803. aliginic acid, biosynthesis, industrial applications, Pseudomonas, Azotobacter 8618.

. 8618. discyclic alikanes, biodegradation, metabolism, microorganisms 8281. alicyclic ring biodegradation 8277. alicyclic ring biodegradation 8277. alikanios, biodegradation, metabolism, microorganisms 8280. alikanios, biodegradation, metabolism, microorganisms 8280. Alternaria toxins, bost-pathoge interactions, plant diseases 5393. amatoxins, phallotoxins 2759. armylase, a 2-0-glucosidase, biotechnology, microorganisms c-armylase, 3-amylase, a 2-0-glucosidase, biotechnology, microorganisms

2566
anaerobic bacteria, culture systems, identification, media (transport) 7610.
anthramycin biosynthesis pathway, models, Streptomyces refuineus 4375.
antibacterial activity, cephalexin 9184.
antibacterial agents, activity, effects on, cell membranes, ribosomes, nucleic acids, amino groups, bacteria 9094.
antibiotic resistance, β-lactam antibiotics, β-lactamase, bacteria 9050.
antibiotic resistance, aminoglycoside antibiotics, bacteria 9051.
antibiotic resistance, chloramphenicol, bacteria 9052.
antibiotic resistance, chloramphenicol, bacteria 9052.
antibiotic resistance, experimentol, bacteria 9052.
antibiotic resistance, experimentol, bacteria 9052.
antibiotic resistance, experimentol, bacteria 9053.
antibiotic resistance, experimentol, bacteria 9054.

9063 antibiotic resistance mechanisms, mutation, bacteria 9048.

antipiotre resistance mechanisms, mutation, bacteria 9048. antibiotre resistance, piasmids transfer, anaerobic bacteria 7335. antibiotic resistance, relationship antibiotics biosynthesis, bacteria 9057. antibiotic selsitance, Staphylococcus aureus, Streptococcus 9060. antibiotic sensitivity testing, factors affecting, methodology 3282. antibiotics, antibacterial activity, 4068. antibiotics, antibacterial activity, 4068. antibiotics, proposamic membranes, cell walls biosynthesis, tetrahydrofolate biosynthesis 9174.

antibiotics, antibacterial activity, structure-activity relationships, clinical trials 9172.

rriais 9172. antifungal agents, antiviral agents, antimicrobial activity, structure, resistance, bacteria, fungi, viruses 2234. antibiotics antimicrobial activity, biochemical characteristics 6494. antibiotics, drugs, antimicrobial activity, clinical trials, pharmacokinetics,

anniorites, drugs, antimicrobial activity, clinical trials, pharmacokinetics, pharmacology, pediatrics 5942.
antibiotics, leeds additives, antibiotic resistance, bacteria, livestock 9062. antibiotics production, clinique vectors, genes, Streptomyces 4845. antibiotics production, relationship spore germination, Bacillus levoris 4038. antibiotics production, relationship spore germination, Bacillus levoris 4038. antimicrobial activity, butylated hydroxyanisole, butylated hydroxytoluene, antioxidants, food 8717.

antioxidants, food 8717.

It antimicrobial agents, antimicrobial activity, disinfectants, antiseptics, preservatives, bacteria, viruses, fungi 9137.

antimicrobial agents, drug sensitivity testing, antibacterial activity, antifungal activity, efficacy 9138.

antifubercular agents, pharmacology 5725.

antiviral agents, antiviral activity, 5745.

antiviral agents, antiviral activity, clinical trials 5750.

aromatic compounds biodegradation pathway, characterization, plasmids genetic control 8279.

aromatic compounds, digestion (anaerobic) 7830.

aromatic compounds, digestion (anaerobic) 7830.
aromatic hydrocarbons, biodegradation, metabolism, microorganisms 8282.
Ascochyta, bilght, Cicer arietinum 3785.
Ascochyta rablei blight, Cicer arietinum, disease control, seed-borne diseases

3905

3905. Ascochyta rabiei blight, Cicer arietinum, Pakıstan 3789 assays, methodology, antibiotics, antimicrobial agents 9173. Bacillus, Clostridium, spore germination, inactivation, acids, food 7026. bacteria, β-lactam antibiotics antibiotic resistance, β-lactamase role

acid 7825

Reviews, (continued)
hacteria, biodegradation, oil, sampling, enumeration 4437.
bacteria biodegradation, phthalic acid 7828.
bacteria catabolism, pathway evolution, enzymes activity, reviews 7821.
bacteria cellulose biosymbesis 4359.
bacteria cilinical isolates identification 8467.
bacteria, cilinical isolates identification 8467.
bacteria, cilinical isolates, mercury, resistance, detoxification 9071.
bacteria, contamination, milk, factors affecting 1897.
bacteria, cryopreservation, methodology 744.
bacteria, distinction, sterilization 2236.
bacteria, distinction, sterilization 2236.
bacteria, distinction, sterilization 2236.
bacteria, enhancement, oil, recovery 3004.
bacteria, genetic engineering, fermentation, proteins, recovery 7812.
bacteria, genetic engineering, fermentation, proteins, recovery 7812.
bacteria, isolation, media chementation, proteins, immunogenicity, man 3184.
bacteria, isolation, media chementation, proteins, recovery 7818.
bibliographies, dispinication, wastewater treatment 4909.
bibliographies, dispinication, wastewater treatment 4914.
bibliographies, dispinication, wastewater treatment 4914.
bibliographies, industrial wastes, wastewater treatment 4917.
bibliographies, methodology of proteins, activated sludge 4905.
bibliographies, wastewater treatment, activated sludge 4905.
bibliographies, wastewater treatment, industrial wastes, breweries 4913.
bibliographies, wastewater treatment, industrial wastes, breweries 4913.
bibliographies, wastewater treatment, industrial avastes, briotechnology, use, pulp mills, paper mills, wastewater tr eviews, (continued)
filtration, separation, proteins, enzymes, microorganisms 8586.
firtreblight, host plants, symptoms, disease control 7166.
food preservation, storage of the storage o Reviews, (continued) 5215.
Fusarium, mycotoxins, biosynthesis 7105.
Fusarium, mycotoxins, biosynthesis, role, plant diseases 7100.
Fusarium, mycotoxins, contamination, food 7102.
Fusarium, mycotoxins, detection 7104.
Fusarium, plant diseases, chlamydospores, role, survival, pathogenesis 7189.
Fusarium, plant diseases, mycotoxins, biodegradation, biomass, production, biological control, books 7649.
Fusarium, scab, Gramineae, pathology, zearalenone production, animals ingestion, Fusarium, scab, Gramineae, pathology, zearalenone production, animals ingestion toxicity 705, genetic analysis, plasmids, hydrocarbons biodegradation, hydrocarbon-degrading bacteria 8284, genetic engineering, microorganisms, fermentation strains improvements 6124, genetic engineering, pharmaceuticals production, microorganisms 8652, genetic engineering, single-cell protein production, microorganisms 8419. B-D-glucosidase, microorganisms 8567, glutamic acid overproduction, metabolic pathways, Corynebacterium glutamicum 7667. gram-negative bacteria, antibiotic resistance,  $\beta$ -lactam antibiotics,  $\beta$ -lactamase 3036. B-lactamase 3036.
ground water, enterovirus levels, disease transmission 2385.
Helminthosporium T-toxin, Zea mays susceptibility 1123.
host-pathogen interactions, disease resistance, plant breeding 3871.
host-pathogen interactions, genotype-environment interactions, disease resistance, plant breeding, crops 2868.
host-pathogen interactions, plant diseases 4494.
hydrocarbons, gases, biodegradation, metabolism, microorganisms 8283.
9-(2-hydrovypthoxymethyl)guanine, side effects, central nervous system, antiviral activity, clinical aspects, man 474.
ice nucleation bacteria, frost, plants 4556.
imidazoles, triazoles, derivatives, antifungal activity, structure-activity relationships 6311 indiazoles, triazoles, derivatives, antifungal activity, structure-activity relationships 631 10.2 imidazoles, terizoles, derivatives, antifungal activity, structure-activity relationships 631 10.2 immobilized cells, immobilized cells, immobilized cells, immobilized enzymes 8577. immobilized cells, immobilized enzymes, industries, China, People's Rep. 77. immobilized enzymes 56. immobilized enzymes 56. immobilized enzymes food industry 5139. immunoassays, clinical microbiology 585. industrial applications, antibiotics production, fermentation, cheese production, fungi, yeasts 9169. industrial wastes, soil pollution, microorganisms, biodegradation 1018. interferon, antiviral activity, viruses, characterization 8327. interferon like compounds, plants, disease resistance, plant viruses 4573. ketoconazole antifungal activity 7381. 8-lactam antibiotics, fermentation 5760. 8-lactamase, role antibiotic resistance, infection, clinical aspects, man 3031. 6397.
Bivalvia, viruses carriage, public health risks, aquaculture 2386. carbon cycle, microorganisms 8205. cefoxitin antibacterial activity, β-lactam antibiotics antagenism 507. cellulase, lignocelluloses hydrolysis, use sugar fermentation, microorganisms 2599 2599.
cellulase, production, activity, Clostridium 100.
cephalosporins, antibacterial activity, toxicity, pharmacokinetics 5767.
chitip, biotechnology, fungl 5201.
chloramphenicol pharmacology 5780.
days minerals, interaction, microorganisms, soil 4624.
cotimoxacole, artibacterial activity, antibiotic synergism, pharmacokinetics crops plant diseases, viruses, control, ecological evaluation 3764. cytochrome c oxidase, metals centers, E.S.R., Saccharomyces cerevisiae 5180. dairy starters 8710. 3031.

lactic acid bacteria, food contamination, meat, meat products 209.
lactic acid bacteria, proteolytic enzymes characterization, role, milk products production, lactic acid bacteria 96.
lignin blodegradation 7829.
lignin, biosynthesis, biodegradation, biotechnology 3599.
low molecular weight enzymes inhibitors, antibiotics 490.
low molecular weight proteinase inhibitors, membranes binding, microorganisms ortectrome o sociacies, metals centers, E.S.H., Saccharomyces cerevisiae 51s0. dairy starters 8710. dairy starters 5710. dairy starters, use, thermophilic bacteria 212. dentification, agroultural practicos, crop fields 5671. dentification, agroultural practicos, crop fields 5671. dentification dentification, agroultural practicos, crop fields 5671. dentification dentification, aground the social 4655. dentification dentifica 5164 5164.
man, leprosy, dapsone drug resistance 3023.
metabolism, furan, tetrahydrofuran 7824.
methabolismsynthesis, digestion (anaerobic), energy resources 8271.
methane production, crop residues fermentation, microorganisms 5703.
methanogenesis 4400.
methanogenesis 4400.
methanogenesis, methanogenic bacteria 8267.
methanogenesis, methanogenic bacteria 8267.
methanogenesis, methanogenic bacteria 8267. nettionine adenosyltransferase, adenosylmethionine decarboxylase, purification, characterization, Escherichia coli. Saccharomyces cerevisiae 8569. methodology enzymes purification, characterization 4306. metronidazole, artibiacterial activity, clinical trials, pharmacokinetics, pediatrics 5732. 350.
ectomycorrhizas inoculation, trees response association, factors affecting 349.
ectomycorrhizas, interaction, plants roots pathogens, fungi 393.
ectomycorrhizas, isolation, pure culture, methodology, nutrient requirements 829.
ectomycorrhizas trees inoculum production, methodology 830.
endomycorrhizas, interaction, soil-borne diseases fungi, Nematoda plants pathogens 392.
environmental effects plants response association vesicular-arbuscular metronidazole, arithacterial activity, clinical trials, pharmacokinetics, pediatrics 5732.

microorganisms biodegradation aromatic compounds+halogens, mechanisms 7826 microorganisms, biodegradation, organic matter, succession, community development, soil 4625.

microorganisms, biodegradation, petroleum 8287.

microorganisms, biodegradation, opetroleum 8287.

microorganisms, biological control, Insecta 6077.

microorganisms, biological control, Insecta 6077.

microorganisms, biological control, Insecta 6077.

microorganisms, contamination, peer 6147.

microorganisms contamination, peer 6147.

microorganisms contamination, peer 6147.

microorganisms contamination, puality control, pharmaceuticals industries 9147.

microorganisms contamination, quality control, pharmaceuticals industries 9147.

microorganisms, ecological evaluation, laboratories, continuous culture, batch culture, methodology 4974.

microorganisms, ecosystem analysis, interspecies relationships, isolation, media (culture), measuring techniques, books 5092.

microorganisms, etanol, production, fermentation 6110.

microorganisms, etanol, production, fermentation 6110.

microorganisms, etanol, production, fermentation 6110.

microorganisms, microbilized enzymes, use, catalysis, chemicals, production 6031 microorganisms, mineralization, nitrogen, soil, factors affecting 4653.

microorganisms, mineralization, nitrogen, soil, factors affecting 4653.

microorganisms, parameter decomposition, nutrient dynamics, ecosystem analysis, peatlands 7254. pamogens 392.

environmental effects plants response association vesicular-arbuscular mycorrhizas 390.

environmental effects plants response association vesicular-arbuscular mycorrhizas 390.

environmental monitoring, viruses microbial pollution, measuring techniques 2387.

ergot alkaloids production, biotechniology, fungi 4379.

ergot alkaloids production, biotechniology, fungi 4379.

ergot alkaloids production, clindamycin, antibacterial activity, pediatrics, in virto 3783.

ethologia and production, entity of the state of the st

leviews, (continued)
microorganisms, recovery, fermenters, methodology 7655,
microorganisms, role, waste disposal, industrial wastes 6704,
microorganisms, role, waste disposal, industrial wastes 6704,
microorganisms, spoilage, beverages,
microorganisms, spoilage, beverages,
microorganisms, use, leaching, Minerals, methodology 8263,
microorganisms, wastes, biochemical oxygen demand, chemical oxygen demand,
measuring techniques, enumeration, waste water, boochemical characteristics 4918,
microorganisms, weathering, biogeochemistry 8210,
microorganisms, weathering, biogeochemistry 8210,
microorganisms, weathering, biogeochemistry 8210,
microorganisms, weathering, biogeochemistry 8210,
microorganisms, seathering, biogeochemistry, 8210,
microorganisms, weathering, weathering, 8210,
microorganisms, w

mycorthizas, futus, plants over mycorthizas, utrastructure, microscopy, fixation methodology 834 mycotoxicosis, Fusarium, food poisoning, domestic animals 7017. mycotoxins 7063.

mycotoxins 7063.

mycotoxins antibodies association, production, use, detection, food contamination, serum levels 7082.
mycotoxins contamination, assays, dietary intake safety, man 7045.
mycotoxins food contamination, decontamination methodology 7073.
mycotoxins food contamination, man, animals, screening methodology 7079.
mycotoxins food contamination, safety regulations, limitations 7065.
mycotoxins food contamination, screening, prevention, control association food processing 7070.
mycotoxins itsues levels, metabolism, animals, cow's milk, eggs, role transmission 7075.
https://doi.org/10.1016/j.com/10.1016/j

transmission 7075.
intiffication, intiffying bacteria, soil 4654.
nitrite reductase (cytochrome) reduction, nitrite, denitrification, Pseudomonas aeruginosa 7708.
nitrogen cycle, agricultural land, Denmark 2984.
nitrogen cycle, microorganisms 8240.
nitrogen cycle, microorganisms 8240.
nitrogen intiffying and provide accordance and provided intogen fixation, actinomizas, agricorestry, temperate environments 2915.
nitrogen fixation, bacteria, biochemical characteristics, regulation, nitrogenase
4656.

nitrogen fixation, crops, soil microorganisms 410. nitrogen fixation, plant cells culture, nitrogen-fixing bacteria 2156. nitrogenase, structure-activity relationships, nitrogen fixation, nitrogen-fixing

introgenses, structure-activity relationships, nitrogen fixation, nitrogen-fixing bacteria 250.

Introgenses, structure-activity relationships, nitrogen fixation, nitrogen-fixing bacteria 260.

Intrient cycles, iron, bogeochemistry, microorganisms 8208.
Intrient cycles, silicon, bogeochemistry, microorganisms 8207.
Intrient cycles, silicon, bogeochemistry, microorganisms 8208.
Intrient cycles, silicon, bogeochemistry, microorganisms 8208.
Intrient cycles, silicon, bogeochemistry, microorganisms 8208.
Intrients, manganese, bogeochemistry, microorganisms 8208.
Intrients, manganese, bogeochemistry, microorganisms 8208.
Intrients, manganese, structure-activity, books 8495.
Intrients, manganese, structure-activity, books 8495.
Intrients, manganese, structure-activity, books 8496.
Intrients, manganese, structure-activity, books 8496.
Intrients, manganese, structure-activity, books 9343.
Intrients, manganese, structure-activity, books 9343.
Intrients, manganese, structure-activity, books 9343.
Intrients, manganese, structure-activity, books 9344.
Intrients, manganese, structure-activity, books 9344.
Intrients, manganese, structure-activity, books 9344.
Intrients, manganese, structure-disease, stemical activity, tooks 9344.
Intrients, manganese, structure-disease, stemical activity, tooks 9344.
Intrients, manganese, stemical control 9146.
Interest pages pages pages pages pages pages pages pages pages page bacteria 2606

phytoalexins 2056.
plant diseases, chemical control, epidemiology mathematical models 4496.
plant diseases, pathogenesis, microorganisms 4493.
plant diseases, pathogenesis, microorganisms 4493.
plant viruses infection, effects on Rhizobium nodulation, nitrogen fixation, reviews 8780.

reviews o /eu.

plant viruses infection effects on Rhizobium nodulation, nitrogen fixation,
Leguminosae 8780.
plants, hizosphere, interaction, microorganisms, characterization 4627.
plants, vestcular-arbuscular mycorrhizas symbiosis effects on, measuring

plants, vesicular-arbuscular mycorrhizas symbiosis effects on, measuring techniques 398.

poliutants biodegradation, plasmids, genetic engineering, bacteria 4435.

polysaccharides, fungi, yeasts 8620.

polysaccharides, industrial applicatione, bacteria 8622.

polysaccharides structures, fungi 2632.

production, benzylpenicillin, streptomycin, griseofulvin 9171.

production, vaccines, antisera, immune serum globulin, industrial applications, bacteria, viruses 9218.

proteinase, industries, microorganisms 2602.

proteinase, industries, microorganisms 2602.

protopiast fusion fungi 6801. Pseudomonas aeruginosa cytotoxins pathogenicity, Manduca sexta biological control

Rhizobium bacteroids, metabolism, carbohydrates, organic acids, nodules, Rhizobium bacteroids, metabolism, carbohydrates, organic acids, nodules, Leguminosae 2975.
Rhizobium, interaction, plants, nitrogen fixation 4659.
Rhizobium meliloti, plasmids, role, nodulation, nitrogen fixation, Medicago sativa, gene mapping 4660.
Rhizobium, nodulation, legumes, nitrogen fixation, media (culture) 4657.
rRNA active sites, antibiotics effects on, ribosomes 1428.
rumen microorganisms, plants cell walls digestion 3669.
Saccharomyces, brewing, genetic engineering 4407.
Saccharomyces cerevisiae, Zymomonas mobilis, genetic engineering, ethanol, production, fermentation 6112.
secondary metabolites, microorganisms 965.
Septoria infection, Triticum aestivum, Hordeum vulgare 1985.

Reviews, (continued)

eviews, (continued)
single-cell protein production 5107.
single-cell protein production, hydrocarbons, carbon sources, fermentation 8288.
skin, microflora, sampling, methodology 4964.
skin, microflora, sampling, methodology 4964.
solf unrigistasis, suppression, plant diseases 8764.
solf microgranisms, nument cycles, agricultural ecosystems 5630.
solf microgranisms, paddy fields 377.
solf-borne diseases, phytopathogenic fungi, models 5402.
solvents production, immobilized cells 3575.
solvents production, production self-solvents and self-

surfactants biosynthesis, metabolic pathways, microorganisms 7776. surfactants, surfaces interaction microorganisms 4392. symbiosis, books 845.

tetrapyrroles biosynthesis, bacteria 4380. triacylglycerol lipase, extracellular enzymes, food industry, microorganisms 2600.

ultrahigh temperature sterilization, food 7032.

vaccines production, veterinary medicine, bacteria, viruses 5806: vaccines production, viruses 7480. vaccines production, viruses 9220.

vaccines production, viruses 9220.
vancomycin, antibacteria activity mechanisms, chemical properties 5804.
vasicular-arbuscular mycormizas inoculation, plants, methodology 827.
vesicular-arbuscular mycormizas inoculaim production 826.
vesicular-arbuscular mycormizas, mixed culture, methodology, reviews 828.
vesicular-arbuscular mycormizas, plants roots, measuring techniques 825.
vesicular-arbuscular mycormizas propaguies, isolation methodology, measuring techniques, soil 824.

vesicular-arbuscular mycorrhizas, spore germination, growth, factors affecting vesicular-arbuscular mycorrhizas, symbiosis, plant cells culture systems, asepsis

2120 viability, Saccharomyces cerevisiae, ethanol. effects on, temperature,

viability. Saccharomyces cerevisiae, ethanol. effects on, temperature, relationship 6 106.

Vibrio cholerae, toxins 2768.

Viruses, antiviral agents, antiviral activity, characterization 8326.

viruses, Diological control, insecta 7772.

viruses cisease transmission, Rubus 8004.

viruses, DNA, genetic engineering, vaccines 8386.

viruses levels, detection methodology, surface water, dnnking water 2384.

viruses incrobial pollution, public health risks, standards, environmental monitoring, books 2537.

monitoring, books 2537.
monitoring, books 2537.
viruses microbial pollution, sewage sludge, effluents, land disposal 2335.
viruses, microbial pollution, waste water aerosols irrigation, public health
risks 2336. waste water disinfection 1478.

waste wate: disinfection 1478. wine production, lactic acid bacteria malolactic fermentation 173. Xanthomonas campestris pv.malvacearum, blight, disease control, plant breeding, host-pathogen interactions, Gossypium hirsutum 3846. xenobiotics binding humus, soil microorganisms association 1258. xenobiotics bindegradation, bacteria 1011. xenobiotics biodegradation, bacteria 1012. yolose isomerase, biotechnology, bacteria 2597. yolose isomerase, biotechnology, bacteria 2597. yeasts, Fusarium, Mucor, ethanol, production, fermentation, cellulose 6107. yeasts, single-cell protein, fermentation 2752. Zymomonas mobilis, ethanol, production, fermentation, methodology 6109. habdfilis.

predator-prey interactions, nematophagous fungi, Mexico 2126.

predator-prey interactions, nematopnagous rungi, Mexico 2125.
Rhabdovirus, isolation, Passiflora edulis 266.
transmission, Ribautodelphax notabilis role, Gramineae, Iran 262.
Rhamus cathartica,
Phellinus punctatus incidence, USA, North Dakota 3838.
Rhizobitoxine,
Readvidrischium japonicum role protection Glycine max. charcoa

Bradyrhizobium japonicum, role, protection, Glycine max, charcoal rot, Macrophomina phaseolina 4509.

Macrophomina priassonia.

Macrophomina priassonia.

Altizoblum,

antibacterial activity, pesticides, fungicides 1324.

bacteroids, nitrogenase, acetylene reduction, oxygen effects on, nodules, Vigna unguiculata, Arachis hypogaea 7291.

bacteroids plasma membranes, role nitrogen fixation, nodules, Leguminosae 2976. effects on, Phytophthora cinnamomi, sporulation, zospores, survival 7262. fast-growing, nitrogen fixation, nodulation, nit gene, nod gene, gene mapping, linkage, gene transfer, reviews. Leguminosae 2966.

+ Glomus fasciculatum, +phosphate, incucilation, Vigna unguiculata, Cajanus cajan 2945.

Edomus fasciculatus, inoculation, yield, Leucaena leucocephala 7276.
 Glomus mosseae, inoculation, growth stimulation, Acacia holosericea, Acacia raddiana 6355.

Rhizobium, (continued)

Thizoblum, (continued)
2983.
inoculation, nodulation, Glycine max 6371.
inoculation, nodulation, Glycine max 6371.
inoculation, nodulation, Medicago sativa 5663.
inoculation, nodulation, Medicago sativa 5663.
inoculation-rodulation-dedicago sativa 5663.
inoculation-vesicular-arbuscular mycorrhizas, nodulation, nitrogen fixation, fertilizers effects on, Trifolium repens 5528.
inoculum, bagasse, soil, carriers, cold storage, yield, Vigna unguiculata 2982.
inoculum production, Leguminosae 6369.
interaction, Cicer aretinum rhizosphere 4669.
interaction, Dlants, nitrogen fixation, reviews 4659
interaction, plants, nitrogen fixation, reviews 4659
interaction, plants, nitrogen fixation, reviews 4659
interaction, plants, nitrogen fixation, acetylene reduction, nodulation, Glycine max 2989.
introgen fixation, archiver, crop fields 9345.
introgen fixation, archiver, crop fields 9345.
introgen fixation, archiver, propaga, figna unguiculata, characterization 9019.
introgen fixation, energy metabolism, electron transport chain, nodules, Pisum sativum 2972.
introgen fixation, enhancement, growth, association, syntrophism 4661.
introgen fixation, genetic analysis, symbiosis, Leguminosae 9006.
introgen fixation, genetic analysis, symbiosis, Leguminosae 9006.
introgen fixation, genetic analysis, symbiosis, Leguminosae 9006.
introgen fixation, Juglans, allelopathy 3959.
introgen fixation, Juglans, allelopathy 3959.
introgen fixation, nitrogen-15, environmental chambers, Trifolium subterraneum 2985.
olitrogen fixation, nitrogen-15, environmental chambers, crop fields, Glycine max Rhizobium japonicum, (continued) nitrogen fixation, translocation, vascular system, Glycine max 2956. polysaccharides structure 1831. nitrogen fixation, translocation, vascular system, Glycine max 2956. polysaccharides structure 1831. population dynamics, plants 1272. hizosphere, immunofluorescence enumeration, competition, nodulation, Pisum sativum, Glycine max 2957. soil inoculum, nodulation, Phaseolus vulgaris 2161. strains competition, Glycine max nodulation 408. symbiosis nitrogen fixation, relationship, rifampicin resistance mutation 2962. Rhizoblum leguminosarum, capsules gels, polysacchandes 5199. glutamine synthase cross-reactivity, Pisum sativum nodules 3956. growth, soil, size association, mathematical models 9012. interaction, Pisum sativum roots, nodules proteins 4644. nitrogen fixation, ammonium nitrate effects or 3634. nitrogen fixation, ammonium nitrate effects or 3634. nitrogen fixation, microgen fixation, relativity of the seculence and, Pisum sativum 2967. nodulation, nitrogen fixation, Rhizobium meliloti, symbiosis, Medicago sativa 4649. population dynamical proteins and protei ozso nitrogen fixation, energy balance, cultivars strains interaction, Phaseolus vulgaris 6238.

vulgaris 6238.

vulgaris 6238.

nodulation, Phaseolus vulgaris, effects on 5658.

strains variability, nitrogen fixation, Phaseolus vulgaris 8249.

Rhizobium leguminosarum var.phaseolil, inoculation, Phaseolus vulgaris, nodulation 6376.

Rhizobium leguminosarum var.trifolil, aromatic compounds, carbon sources, role inoculum survival, soil 3961.

capsules gels, polysaccharides 5199.

capsules polysaccharides binding lectins 6368.

detection, protoplasts, Trifolium repens, fluorescence, microscopy 9297.

eradication, phages use, Trifolium repens protoplasts 8858.

growth, autotrophy, hydrogenase isolation, characterization 3461.

identification, use, alkaline phasphatase detection 9298.

inoculation, strains competition, nodulation, Trifolium repens, soil microorganisms 5678.

inoculation, strains competition, and ulation, Trifolium repens, soil microorganisms 5678.

inoculation, phages effects on nodulation 5662.

nitrous oxide biosynthesis, denitrification, in vitro 9020.

nodulation, milinion, metalis oxides, Irrifolium repens 7279.

nodulation, alumnum toxicity, soils (acid), trifolium repens 7279.

nodulation, milinion, metalis oxides, Irrifolium repens 7279.

nodulation nitrogen fixation 9022.

Rhizobium mellioti, acotylene reduction, nitrogen fixation, Medicaqo 4666. 2900.

nitrogen fixation, nitrogen-15 measurements, Leguminosae 7270.

nitrogen fixation, nitrogen-15, measuring techniques, crop fields, Glycine max 7289. nitrogen fixation, energy balance, cultivars strains interaction, Phaseolus nitrogen fixation, nitrogenase, nodules, respiration, energy balance, Glycine max 8251. introgen fixation, nodulation, inheritance, plant breeding, Medicago sativa 2979. nitrogen fixation, nodulation, Parasponia 2977. nitrogen fixation, nodulation, soil moisture, salinity, effects on, Leguminosae 2980. ntrogen fixation, nodules, Acacia dealbata seedlings 2906.
ntrogen fixation, nodules, Acacia dealbata seedlings 2906.
ntrogen fixation, nodules, denetic analysis, genes, leghemoglobin, nodulin,
Leguminosae 297.
ntrogen fixation, prosessive sulgaris, aging effects on 6361.
ntrogen fixation, Phaseolus vulgaris, prosphorus effects on 7286.
ntrogen fixation, pressmud, use, carriers, characterization 6374.
ntrogen fixation, prosphorus, roots, nodules, Leguminosae 9907.
ntrogen fixation, prosphorus effects on 9258.
ntrogen fixation, fixing a radiata, soil moisture effects on 4540.
ntrogene fixation, fixing a radiata, soil moisture effects on 4540.
ntrogene fixation, fixing a radiata, soil moisture effects on 4540.
ntrogenes activity, acetylene inhibition, oxygen diffusion, nodules,
Leguminosae 8252.
ntrogen fixation, temperature effects on, Vigna unguiculata 2168.
nodulation, (egumes, ntrogen fixation, media (culture), reviews 4657.
nodulation, legumes, ntrogen fixation, Ciera riertinum 2inc effects on 4650.
nodulation, introgen fixation, Ciera riertinum, zinc effects on 4650.
nodulation, introgen fixation, Ciera riertinum, zinc effects on 4650.
nodulation, introgen fixation, Leguminosae, plant viruses infection effects on, reviews 6780. nodulation, nitrogen fixation, Cleer anetinum, zinc effects on 4-sou.
nodulation, nitrogen fixation, Leguminosae, plant viruses infection effects on,
reviews 8780.
nodulation, role nodulin gene expression, Pisum sativum 2981.
nodulation, roles infection, nutrient flow, genetic analysis, Leguminosae 2974.
nodulation, roles infection, nutrient flow, genetic analysis, Leguminosae 2974.
nodulation, Vigna radiata 6360.
nodulation, Vigna radiata 6360.
nodulation, Vigna radiata, efficiency correlation antibiotic resistance 4662.
nodulation, Vigna tradiata, efficiency correlation antibiotic resistance 4662.
nodulation, Vigna tradiata, efficiency correlation antibiotic parameters and the stranger of th fixation 9022.

\*\*Rhizobum melilott, acetylene reduction, nitrogen fixation, Medicago 4666. antibacterial activity, fungicides 8922. antigenic characteristics, association, identification, electrophoresis, methodology 4184. attraction localization, Medicago sativa roots 6380. chemotaxis, motility, soil 378. enzyme-linked immunosorbent assay, inoculum detection, soil 4174. enzyme-linked immunosorbent assay, inoculum detection, soil 4174. extracellular polymers, polysaccharides, role infectivity, nodulation, Medicago sativa 6372. gene excression transposon Tri5 strentomycin, kapamycin resistance penes 4 sativa 6372.
gene expression transposon Tn5 streptomycin, kanamycin resistance genes 442.
growth, Verticillium wilt, Medicago sativa, fungicides effects on 1211.
inoculum, viability, desiccation, soil salinity 4663.
nitrogen fixation, genetic control, symbiosis mutants, Medicago 5676.
nitrogen fixation, givicine betaine effects on sodium chloride tolerance 2159.
nitrogen fixation, symbiosis, Medicago sativa, calcium, magnesium effects on 2960. 2960.

iltrogen fixation, vesicular-arbuscular mycorrhizas inoculation effects on, Medicago sativa 8221. phages production, fermenters, cloning vectors preparation 4997. plasmids, role, nodulation, nitrogen fixation, Medicago sativa, gene mapping, reviews 4660. 7267.

Symbiosis, Cyamopsis tetragonoloba, phenotypes, variability 8246.
symbiosis, infectivity, preservation, methodology 5899.
symbiosis inferaction, Cicer arietinum 4648.
symbiosis, Leguminosae, equipment, association, nodulation, nitrogen fixation 2855. reviews 4000.

soli noculum, nodulation, Phaseolus vulgaris 2161.

strains, cell surface, nodulation, Medicago sativa, agglutinins 5651.

symbiosis, Medicago sativa, Rhizcolum leguminosarum, plasmid plJ1008, effects or 4649.

Ti plasmid vectors, nod gene, gene expression, nodules formation, Agrobacterium tumefaciens, Escherichia coli 6366.

transposon Tris, mediatini, streptomycin, antibiotic resistance 7336. tricarboxylic acid cycle intermediates utilization, association symbiosis 8234. +vesicular-arbuscular mycorrhizas, effects on growth, Medicago sativa 6341.

Rhizobium phaseoli, soil inoculum, nodulation, Phaseolus vulgaris 2161. survival, inoculum, peat 406.

Rhizobium trifolii, infectivity, podulation, Trifolium repens, temperature effects on 1383. symbiosis, Leguminosae, nitrogen fixation 9005. symbiosis, Leguminosae, reviews, books 845. symbiosis, Trifolium pratense, nitrogen fixation, white clover mosaic virus symbiosis, Trifolium pratense, nitrogen fixation, white clover mosaic virus infection 7141.

symbiosis, Vigna radiata, environmental stress effects on nitrogen fixation 5679. uptake, streptomycin, association, antibiotic resistance 5713. ursides biosynthesis pathways, nodules, Leguminosae 2971. Vigna unguculata, y radiation effects on, soils (acid) 2951. Vigna unguculata nodulation, soil acidity effects on 8993.

Rinzolum japonicum, bacteroids, poly-9-hydroxybutyrate, high-pressure liquid chromatography, hisracetrazion, 1653. Intectivity, nodulation, Trifolium repens, temperature effects on 1282. nodulation, Trifolium subterraneum, nitrogen fixation, glyphosate soils (loam) applications effects on 2995 populations, nitrogen fixation, Trifolium repens symbiosis 409. populations, Trifolium subterraneum nodules, soil acidity effects on 405. Rilacottonia. capsules polysaccharides, role root hairs infection, nodulation, Glycine max 2970. 2970.
growth, fungi pathogens, Glycine max, pesticides effects on 1212.
inoculation, Glycine max, yield, nodulation 2122.
inoculation methodology, Glycine max, Saudi Arabia 2953.
inoculation, nodulation, dose-response effects, roots age, Glycine max 2166.
inoculation, nodulation, Glycine max 9252.
nitrogen fixation, Glycine max fruiting 2154.
nitrogen fixation, ribrogen-15 levels, nodules, Glycine max 2169.
nitrogen fixation, soil salinity effects on, Glycine max 2169. htzoctonia, antifungal activity, miconazole 4016. biological control, Rhizoctonia solani brown patch, Agrostis paiustris 6308. biological control, Rhizoctonia solani brown patch, Agrostis paiustris 6308. bilght, Festuca arrundinacea, disease control, fungicides 8172. brown patch, Stenolaphrum secundatum, pathogenesis 1127. disease control, composts, ornamental plants 6300. eye spot, Gramineae, soil microorganisms, antagonism 7208. growth, contamination, taints production, corks, wine 7798. interaction, ectomycorrhizas, reviews 393.

Rhizoctonia, (continued)
pathogencity, Agrostis palustris, Cynodon dactylon, Festuca arundinacea, USA,
North Carolina 3802.
pod rot, Arachis hypogaea, calcium levels effects on pathogenesis 1121.
sensitivity, fungicides 8106.
stem rot, Pisum sativum, factors affecting disease resistance 1199.
Rhizoctonia batatricola,

antifungal activity, diaryl methylphosphonates, structure-activity relationships

3885.
infection, Cicer arietinum, phenols levels 1975.
infection, Cicer arietinum, phenols levels 1975.
infection screening, Cicer arietinum 1980.
mycella, sclerotia, soli inoculum, Cicer arietinum infection incidence 1976.
Phizoctonia cersella,
eye spot, Triticum aestivum, effects on yield 1133.
pathogencity, Agrostis palustris, USA, North Carolina 3802.
Phizoctonia leguminicola,
sweinscnine, contamination, hay, Trifolium pratense, mycotoxicosis, horses 8728.
Rhizoctonia microsclerotia,
web hilinit Phasaelus vulkaris prophysics disease paristress 2000.

nnzocronia microscierotia, web bilght, Phaseolius vulgaris, genotypes, disease resistance 8060.

Rhizoctonia oryzae-sativae, spot. Oryza sativa 5436.

Rhizoctonia repends, endomycorhizas, Ophrys lutea, laccase localization 380.

Rhizoctonia solani, antifutoria la criticity vulgatiles la aves. Metalouse la vuedendana 0107.

Inflactonia solani, antifungal activity, volatiles, leaves, Melaleuca leucadendron 9107. antifungal activity, 'I-methylpyrazole carboxanilides, structure-activity relationships, disease control, root rot, Gossypium hirsutum 5531. antimicrobial activity, nematicides 1325. antimicrobial activity, nematicides 1325. autoripoty, protoplast fusion 5081. biological control, carriers, Trichoderma harzianum, Gliocladium virens 8919. biological control, mycelia soil amendment, hyperparasitism, Verticillium biguttatum, Gliocladium roseum, Solanum tuberosum 2089. brown patch, Rhizoctonia biological control, Agrostis palustris 6308. crater disease, Triticum aestivum, soil fumigation+solar radiation effects on 8120.

8120

8120.

rop residues, Hordeum vulgare, Medicago sativa, smoke, antifungal activity 8319. damping-off, biological control, Agrobacterium radiobacter, extracellular polymers, polysacchardies, seed treatments, Lycopersicon esculentum 6309. damping-off, disease resistance, Philippines, Nicotiana tabacum 7179. damping-off, host range, pathogenicity 282. damping-off, Medicago sativa seedlings, greenhouses, USA, California 1115. damping-off, Phus banksiana, Picea mariana, soil amendment, organic matter, effects on 1239.

effects on 1239. \*\*Cearterial Action (Company) and the Company of the Company of

infection, Azotobacter chrococcum antagonism, biological control, Solanum tuberosum 2088.
infection, Glycine max, pathogenicity 240.
infection, Phaseolus, pathogenesis, effects on peroxidase isoenzymes 7138.
infection, seedlings, plants, disease control, cyanamide 3886.
isolates variability, sensitivity, fungicides 8117.
mancozeb+curzate antifungual activity 2085.
pathogencity, Cynodon dactylon, USA, North Carolina 3802.
pathogencity, Solanum tuberosum, British Isles 2021.
Phaseolus vulgaris disease resistance, role cuticle 1174.
phytopathogenic fungi, biological control, Trichoderma parasitism, ultrastructure 1213.
relatt disease, Eucalyntus, incidence, greenbouses 8942.

plant disease, Eucalyptus, incidence, greenhouses 8942. plant diseases, herbicides effects on, Gosspilum hirsutum 7963. plant diseases, Solanum tuberosum, biological control, Verticillium biguttatum 5514

Pythium oligandrum, biological control, hyperparasitism 2079.
root rot, disease control, benomyl, PCNB, Ficus benjamina 8916.
root rot, disease resistance, Phaseolus vulgaris, genetic control, inheritance

root rot, Phaseolus vulgaris, herbicides effects on 1181. rot, disease control, agricultural practices comparison fungicides, Phaseolus vulgaris 1210.

vuigans 1210. sclerota, biological control, Verticillium biguitatum treatment, Lycopersicon esculentum 325 sheath bilght, disease control, benzyloxypyridazines, Oryza sativa 5534, sheath bilght, disease control, dapiramicin A. dapiramicin B, Oryza sativa 4863. sheath bilght, interaction, Nilapavartat lugens, infection, Oryza sativa, 4863.

varieties 8789. sheath blight, Oryza sativa, disease resistance 7147 stem rot, disease resistance, Pisum sativum, plant b stem rot, Pisum sativum, disease resistance 1201. nt breeding 2852

Rhizoctonia zeae, pathogencity, Festuca arundinacea, USA, North Carolina 3802

Rhizophora,

sediments, bacteria biomass, community structure, fatty acids analysis 8989.

Rhizophora mangle,
ignocelluloses, biodegradation, microorganisms 2704.
Ilignocelluloses, lignin, polysaccharides, biodegradation, microorganisms 5305.

Rhizoplane. etum americanum, Azospirillum brasilense, immunoperoxidase test labelling

Soil microorganisms interface, electron microscopy, ultrastructure, books 1693.

Rhizoplane microorganisms,
bacteria, inoculation, inhibition, Plasmodiophora brassicae clubroot, Raphanus satrus 8867.

Rhizoplane microorganisms, (continued)

bacteria, phosphorus, nitrogen, effects on, association Gramineae 6334. Fusarium, Egypt, seasonal variations 6335. Oryza sativa, nitrogen-fixing bacteria, isolation, activity, morphology, nutrition 8235

Rhizopogon,

isolation, pure culture, methodology, nutrient requirements, reviews 829.

Rhizopogon luteolus, trees inoculum production methodology, reviews 830.

cell culture preservation 5087

chickens feeds mycoflora, storage conditions effects on 7094 clinical isolates,

Cinical isolates, 1-(4-chlorophenoxy)-3,3-dimethyl-2-(1,2,4-triazole-1-yl)methylbutan-2-ol, 1-(4-chlorophenoxy)-1-(1-imidazolyl)-3,3-dimethyl-2-butanol hydrochloride, antifungal activity 4756. detection, oxidase extracellular enzymes 1799. exc-1,3-β-D-glucanase, biodegradation, Eisenia bicyclis β-D-gluca 3670. exc-1,4-α-D-glucosidase immobilization, use, poly(tetrafluoroethylene) membranes + Coulomb force 39.

extracellular enzymes production 5126. monophenol monoxygenase, extracellular enzymes, production 7759. PCB biodegradation, reviews 7827. single-cell protein production, fermentation, starch residues, food industry 1713.

1713.

Rhizopus arrhizus,
biomass, adsorption, desorption, uranium 9028.
biomass, adsorption, uranium, thorium 3978.
charcoal rot, Helianthus annuus, etiology 4551.

Rhizopus chinensis, rhizoxin, structure 7112. Rhizopus delemar,

biotin biosynthesis, media (culture) 3579. destinobiotin conversion, biotin production 964 exo-1,4-a-D-glucosidase immobilized enzymes, kinetics starch, maltose hydrolysis 113.

hydrolysis 113.

riacyldycorol lipase immobilized enzymes, fats esterification 67.

Rhizopus koļi,
ethanol, fermentation, Manihot esculenta 3610.

Rhizopus microsporus,
riacyldycorol lipase biosynthesis 6872.

Rhizopus nigricans,
antifungal activity, structure-activity relationships,
3,3',4,5'-tetrahydroxystilbene, wood extracts, Cassia garrettiana 7384.
-arylaikanols stereochemistry, methodology 5249.
conversion, kauranois, kauranones 5248.
Colimum basilicum essential oils antifungal activity, in vitro 9105 Ocimum basilicum essential oils antifungal activity, in vitro 9105 Thiophene derivatives antifungal activity, photoinduction 3060.

Rhizopus niveus, exo-1,4-α-D-glucosidase, immobilized enzymes, maltose, starch hydrolysis, reactors 112.

exo-1,4-α-D-glucosidase, kinetics, glucose conversion, formation, maltose, isomattose 3464. Rhizopus nodosus, extracts, biological control, Phytophthora parasitica var.piperina rot, Piper bette 5518.

belle 5016.

Thacylglycerol lipase, purification, characterization 7693.

Rhizopus oligosporus,
fermentation, soybeans meals, characterization 7016.

single-cell protein, production, fermentation, cassava 1714.

single-cell protein, production, fermentation, cassava 1714.

Rhizopus pygmaeus,
proteolytic enzymes, purification, isolation 4321.

Rhizopus thrizopodiformis,
proteinase, fermentation, isolation 4299.

Rhizopus stolonifer,
antifungal activity, sodium dodecytbenzene sulfonate 8054.
infection, effects on ethylene production, fruits, Lycopersicon escuientum 2011.
polygalacturonase, role, Ricinus communis antifungal agents induction 297.
post-harvest decay, Primus persical, truits, characterization 8678.
spore germination, carbendazim, treatment, effects on, Saccharum officinale 8127.
Rhizopus thallandensis.

spore germination, carbenouszim, reatment, enects on, saccharunt in Rhizopus thallandensia, immobilized cells, bioreactors, exc-1,4-a-D-glucosidase, production, mathematical models 7729.

Rhizophaera oudemansil, needleast, Abies pinsapo, pathogenesis 5608.

needicast, Adies pirisapo, pariogenesis 5000.

Rhizosphere, antinomycetes, antagonism, Laccaria laccata, Pythium, Phytophthora, Eucalyptus marginata, Pinus radiata 2099.

bacteria population levels, Zea mays, Vigna unguiculata, Colosynthis vulgaris

Bradyrhizobium japonicum population levels, straw soil amendment effects on,

Bradyrhizobium japonicum population levels, straw soil amendment effects on, Glycine max 7282. 
Cicer ariethrum, Rhizobium interaction 4669. 
Cicer ariethrum, Rhizobium interaction 4669. 
Colonization, Azospirillum inoculation, nitrogen fixation, yield, Gramineae 2968. 
colonization, Bradyrhizobium japonicum, stimulation, seed treatments, 
streptomycin-ferythromycin-theonomyl, Glycine max 9017. 
Gossypium hirsutum, Pythium ultimum spore germination 1148. 
immunofluorescenice enumeration, Rhizobium japonicum, Rhizobium leguminosarum, 
nodulation, competition, Pisum sattrum, Glycine max 2967. 
inoculation, nitrogen-fixing bacteria, agrioforestry 2910. 
Malus pumilia, soil microorganisms composition, phytotoxins toxicity 2146. 
nitrogen-fixing bacteria isolates, nitrogensea activity, Gramineae 9014. 
nitrogen-fixing bacteria, introgen fixation, soil molisture, salinity effects on, 
crops 2980. nitrogenase activity, nitrogen-fixing bacteria, environmental factors, pasture

9018 Oryza sativa, isolation, Pseudomonas, Alcaligenes, Aeromonas, nitrogen fixation 5653.

Phoma betae, antagonism, Bacıllus subtilis, antibiotics production, oxafun

inhibition 2139.

plants, interaction, nicroorganisms, characterization, reviews 4627.

pseudomonas inoculation, yield stimulation, Parthenium argentatum 8213.

Pseudomonas siderophores antagonism, phytopathogenic fungi, Erwinia, Solanum tuberosum 2830.

response, relationship, Bradyrhizobium japonicum, nodulation, Glycine max 4641. Saprolegniaceae, Pythiaceae, Lycopersicon esculentum, Oryza sativa, Triticum

Rhizosphere, (continued)

Rhizoaphere, (continued) vulgare, Pisum sativum 8220. soil composition, Triticum aestivum, Oryza sativa, manure effects on 2996. Steptomyces, inhibition Rhizobium, nodules, rhizosphere 6378. temperature, effects on, ectomycorrhizas, vesicular-arbuscular mycorrhizas formation, forests soil 5549. ultrastructure, intercation, roots, catalase, rhizosphere, Oryza sativa 8962. Rhizosphere microorganisms, community composition, mixed culture, Lolium perenne, Plantago lanceolata, Trifolium repens 372. cyntikinins binsynthesis, pH effects on, Pinus svivestris 8161.

Trifolium repens 372.

cytokinins biosynthesis, ph effects on, Pinus sylvestris 8161.

cytokinins biosynthesis, ph effects on, Pinus sylvestris 8161.

dehydrogenase activity, redox potential, iron reduction, fertilizer applications effects on, Oryza saliva 7287.

fungi, Adiantum capillus-veneris, Ceterach officinarum, Asplenium filare, Chelianthes catanensis 6961.

interspecific relationships, pedogenesis 394.

nitrogen fixation, insecticides inhibition, paddy fields 1283.

nitrogen fixation, insecticides inhibition, paddy fields 1283.

nitrogen fixation, insecticides inhibition, paddy fields pateria, introgenase, vertical distribution, planting density, paddy fields, Oryza saliva 7287.

crganic acids, effects on clays dispersion, soil structure 5639.

organic matter composting, effects on Sorghum vulgare roots, soils (sandy), clays 2121.

Oryza sativa, nitrogen-fixing bacteria. symbiosis ultrastructure. 8026.

21/21. a sativa, nitrogen-fixing bacteria, symbiosis ultrastructure 8236. phosphate-dissolving bacteria, phosphate dissolution, Triticum aestivum, Lolium perenne 7255.

perenne 7255.
respiration, urea foliar applications effects on, Triticum aestivum 2946.
soil microorganisms, population levels, Lycopersicon esculentum, Phaseolus
vilgaris 8950.
Triticum aestivum, Hordeum vulgare, carbon, utilitzation, release 2930.
verbica distribution, Areca 5646.
Riticoxin,

Rhizoxin, structure, Rhizopus chinensis 7112. Rhodamine, \_staining, fluorescence, membrane potential, live bacteria 5025.

Rhodanine, denvatives, antifungal activity 4018

Rhodococcus, distribution, incidence, pasture, nematicides effects on 7295.

Rhodococcus destruit incidence, pasture, nematicides effects on 7295.

Rhodococcus australia, perhydrondaryl derivatives, production 7783.

Rhodococcus corallinus, 6-chloro-Ne-thyl-1,3-5-traizine-2,4-diamine, dechlorination, deamination, biodegradation 8891.

Rhodococcus e-ythropolis, biodegradation, aniline 2708. pristane oxidation 4865.

pristane oxidation 4865.

Irehalose dicorynomycolate biosynthesis intermediates 978.

Rhodomicroblum vannielli, hydrogen production, use, organic acids, nitrogen sources association 1843.

Rhodophyta, marine environment, association, antibactenal activity, penicillinase inhibition, effects on, Staphylococcus aureus, Escherichia coli 8305.

Rhodopseudomonas, immobilized cells, hydrogen production 3559.

Rhodopseudomonas acidophila, alcohol dehydrogenase (NAD(P)<sup>1</sup>), purification, characterization, aromatic compounds biodegradation 7692.

tyle-linkad alcohol dehydrogenase, purification, characterization substrate specificity 1776.

Rhodopseudomonas capsulata, hydrogen production, temperature, light intensity Rhodopseudomonas capsulata, 5219.

hydrogen production, use, organic acids, nitrogen sources association 1843.

hydrogen production, use, organic acids, nitrogen sources association 1843.

hydrogen production, use, organic acids, nitrogen sources association 1843.

hydrogen production, use, organic acids, nitrogen sources association 1843.

hydrogen production, use, organic acids, nitrogen sources association 1843.

hydrogen gas production, temperature, light intensity Rhodopseudomonas capsular hydrogen practicition, use, organic acids, nitrogen sources association 1843. hydrogen production, use, organic acids, nitrogen sources association 1843. hydrogenase, purification, characterization membranes localization 2567. NADH dehydrogenase, purification, characterization 3989. Rhodopseudomonas palustris, mitrate reductase, purification, characterization 4318. Rhodopseudomonas palaseroides, cytochrome c1, purification, characterization 3406. 2-(1-hydroxyethyl)-2-deswiyl chlorophylidide a, isolation, characterization 6893. iron reduction enzymatic activity, electrophoresis methodology 3347. ponins, characterization 5956. Rhodospirillacese, culture methodology 4214. hydrogen production, use, organic acids, nitrogen sources association 1843. storage, nitrogen (liquid), anaerobic conditions 4215. Rhodospirillum rubrum, carbon monoxide dehydrogenase characterization 1774. hydrogen production, use, organic acids, nitrogen sources association 1843. nitrogen instalion regulation, nitrogenase, iron proteins modification 2611. nitrogen instalion regulation, nitrogenase, iron proteins modification 2611. hydrogen production, use, organic acids, nitrogen sources association 1843. nitrogen instalion regulation, nitrogenase, iron proteins modification 2611. hydrogen production, use, organic acids, nitrogen sources association 1843. hydrogen production production, pr

nbonuclease, immobilized enzymes, β-(sulfatoethylsulfonyl) analine cross-linkage 81, rubeomycin 8 biosynthesis, rubeomycin A transformation 1415. 
Rhopalosiphum maidls, chemical control, insecticides ± fungicides, seed treatments, Hordeum 6317. 
Rhopalosiphum padi, biological control, pathogenicity, field trials, Entomophthoraceae 5230. 
Phyconia frustrans, pest control, use, varanterior.

nycome interana, pest control, use, granulosis virus, Cydia pomonella, isolates 6892.

Rhynchosia auaweolena, biphenyls, derivatives, antibacterial activity, Bacillus subtilis, Staphylococcus aureus 9096.

Rhynchosporlum oryzae, disease resistance plant breeding, Oryza sativa 8896. infection, Oryza sativa, leaves, histopathology 8793. leaf scald, Oryza sativa, disease resistance 5504. Rhynchosporlum secality.

hynchosporium secalis, ielaf bloth, barley yellow dwarf virus effects on disease resistance, Hordeum vulgare 1196. phytotoxns, synthesis 1936. scald disease, Hordeum vulgare, pure culture, biosynthesis, rhynchosporosides

scald, disease resistance, genetic variance, plant breeding, Hordeum vulgare 316. triadimenol sensitivity 5530.

biosynthesis, pure culture, Rhynchosporium secalis, scald disease, Hordeum vulgare 3801.

Rhytlsma salicinum, infection, Salix, national parks, Iceland 7195.

Ribamidile, antivita la calcidate.

antiviral activity, herpes simplex virus 1 cell culture 4774.

Ribautodelphax notabilis,
role, mabdovirus transmission, Gramineae, Iran 262.

Aibavirin, antiviral activity, hemagglutinins biosynthesis, cell culture, influenza B virus

8322

8322.
antiviral activity, potato virus Y, tobacco mosaic virus, cucumber mosaic virus, petioles tissue cuture, Nicotana tabacum 3904.
antiviral activity, tobacco mosaic virus, characterzation 8332.
foliar applications, effects on cowpea chlorotic mottle virus infectivity, symptoms. Vigna unquiculata 3903.
foliar applications, effects on infection, Prunus necrotic ringspot virus, green ring mottle virus-like particles, Prunus 3902.
+a-interferon, +rimantadine hydrochloride, inhibition, replication, influenza

A virus 3066.

radioimmunoassay 461.

synergism, selenazofurin, antiviral activity 9116.

synergism, tiazofurin, selenazofurin, antiviral activity, togavirus, bunyavirus, arenavirus 9117

afelhavnos.
Ribas, plant viruses, Finland 6268.
Ribgrass mosaic virus,
detection, paper enzyme immunoassay, Brassica chinensis 1147. nt deficiency, chemostats, ribitol dehydrogenase, Eschenchia coli 3444.

httmelit deindeny, Gambasa, http://doi.org/10.1009/ Ribitol dehydrogenasa, biosythesis, chemostats, mutants, Escherichia coli 6821. chemostats, ribitol nutrient deficiency, Escherichia coli 3444. production, Escherichia coli 3505.

Ribocitrin,
effects on, Streptococcus mutans, glucans, biosynthesis, enzymes 3157.
inhibition, Streptococcus mutans, glucans, biosynthesis 3155.
2-3-D-Ribofurancosylselenazole-4-carboxamide,
synergism, ribavirin, antiviral activity 9116.
Ribonuclesse,
purification, characterization, fruit bodies, Lontinus edodes 1764.

purification, characterization, Saccharomyces cerevisiae 2626.
Rhodotorula glutinis, immobilized enzymes, β-(sulfatoethylsulfonyl) analine

cross-linkage 81.

Ribonuclesse E.

purification, characterization, Escherichia coli 2569.

Ribonuclesse B.

purification, characterization, activity, Saccharomyces cerevisiae 886.

purification, characterization, activity, Saccharomyces cerevisiae 886.

Ribonuclease (pancreatic), kinetics, structure-activity relationships, substrate specificity, Penicillium

brevicompactum 5152 Ribonuclease T2,

purification, characterization, Aspergillus saitoi 884. Ribonucleoproteins,

e, disease transmission, tobacco mosaic virus, characterization 8862.

role, disease transmission, tobacco mosaio virus, characterization 8862. Ribonucleoside-diphosphate reductase, 2-azido-2'deoxynucleotides interaction, radicals, Escherichia coli 856- DNA biosynthesis, herpes simplex virus 1, vesicular stomatitis virus, antiviral activity, parabactin, bis-N1,N8-(2,3-dehydroxybenzoyl)spermidine 8335. Ribonucleosides, metabolism, inosine production, mutants, Brevibacterium ammoniagenes 5207. Ribonucleosides, metabolism, inosine production, mutants, Brevibacterium ammoniagenes 5207. Structure, micrococcin antibiotic resistance mutants, Bacillus megaterium 6432.

structure, microoccin ambinious resistance minimans, poemic magnitudes in the fillosomal protein L6, crystal structure, X-ray diffraction, Bacillus stearothermophilus 7662. Ribosomal protein S1, repeated sequence, role, translation, poly(U), poly(A), Escherichia coli 4258. Ribosomal proteins, purification, high-performance liquid chromatography methodology, Escherichia coli 7260.

Ribosomai subunit 50S, crystals, electron microscopy, Bacillus stearothermophilus 874. Ribosomes, antibacterial agents effects on, bacteria 9094.

antibacterial agents effects on, bactera 9094.

antibens, Neisseria gonorrhoeae, passive hemagglutination, immunodiagnosis, gonorrhea, man 714.

association, Streptococcus faecalis, clinical isolates, antibiotic resistance, streptomycin 4697.

Cochliobolus heterostrophus DNA, isolation methodology 3365.

Methanococcus vanniellii, aminoglycoside antibiotics sensitivity 2237, protein biosynthesis role, gene regulation, antibiotic resistance emC gene, em gene, Staphylococcus aureus, Bacillus licheniformis 6427.

RNA active sites, antibiotics effects on, reviews 1428.

lylosin binding, structure activity relationships, antibacterial activity 3172.

virginiamych binding, pH, ions effects on 8376.

Ribostamycin,
antibiotic resistance, genes, cloning, Streptomyces 1314. mC gene, emp

antibiotic resistance, genes, cloning, Streptomyces 1314. like antibiotics, synthesis 5790. production, Streptomyces ribosidificus, mutants 3163.

Production, Surgiunny British Indianicus, Indiana S 103.

Riboxine,
biosynthesis, glucose, nitrogen, effects on, Bacillus subtilis 1411.

Ribulosebisphosphate carboxylase,
activity, Erysiphe graminis f.sp.hordei, powdery mildew inhibition, Hordeum

## Ribulosebisphosphate carboxylase, (continued)

butioseonsprings carboxyrass, (commons) vulgare 5434. mediation, carbon dioxide effects on nitrogenase, activity, Bradyrhizobium japonicum 7280. X-ray diffraction, Rhodospirillum rubrum 6001

Rice,
aflatoxins biosynthesis, Aspergillus flavus, Aspergillus parasiticus, temperature
effects on 3703.

Appendix funcial flora, amosterol levels, indicators 2051. post-harvest decay, fungal flora, ergosterol levels, indicators 2051.

Rice dwarf virus,
disease resistance, plant breeding, Oryza sativa 7202.

disasse resistance, plant breeding, Oryza sativa 7202.

Rice ragged atunt virue,
disease resistance, Oryza sativa varieties, Thailand 8100.
disease transmission, Nilaparvata lugens, Nilaparvata bakeri, Oryza sativa 4520.

Rice stripe recroale virue.
Oryza sativa 7144.

Rice tungro virus,
disease control, schoros, Nephotettix virescens, chemical control, carbofuran,
phorate, Oryza sativa 2072.
disease spread, Nephotettix, Oryza sativa 7153.
vectors, Nephotettix virescens, Ciadellidae, carbofuran formulations, Oryza
sativa 6295.
Nephotettix virescens, pest control, Annona squamosa, Azadirachta

seativa 0293/ vectors, Nephotettix virescens, pest control, Annona squamosa, Azadirachta indica, seeds oils, Oryza sativa 6299. Ricinue communia,

antifungal agents induction, Rhizopus stolonifer polygalacturonase role 297. Rickettala,

Rickettsia, infection, frifolium repens, pathogenesis, Canada 2778. 
Infection, Trifolium repens, pathogenesis, Canada 2778. 
Infection, Trifolium repens, purification 3179. 
Rickettsia prowazekli, 
antigens preparation, activity determination 4182. 
DNA purification, deoxyribonuclease treatment, chick embryos yolk sac 5033. 
Rickettsia rickettsii, 
Rocky Mountain spotted fever, immunodiagnosis, enzyme-linked immunosorbent assay, 
fluorescent antibody test 2471. 
Rocky Mountain spotted fever, vaccines, immunogenicity, efficacy 2326. 
Rickettsia-like organisms, 
etiology, little leaf, Wissadula periplocifolia, Jamaica, new records 2046. 
little leaf disease transmission, treatment, Wissadula periplocifolia, Jamaica 2047.

plant diseases 3771, rosette, Beta vulgaris, etiology 3845.

Rifampicin,

Iltampicin,

+ amphotericin B+antifungal agents, antifungal activity, Aspergillus 5785.

+ ampicillin, + chloramphenicol, antibiotic synergism, antibacterial activity,

Haemophilus influenzae type b 9166.

antibacterial activity, Staphylococcus aureus, Staphylococcus epidermidis,

Streptococcus faecalis 4815.

antibacterial activity, Staphylococcus aureus, ultrastructure, growth 7448.

antibacterial activity, Streptococcus vindans 6544.

antibacterial activity, Streptococcus vindans 6544.

antibiotic sensitivity testing, Sisseria gonorrinoeae 4804.

antibiotic sensitivity testing, Sireptococcus faecalis 46563.

antibiotic sensitivity testing, Sireptococcus pneumoniae 6503.

antibiotic sensitivity testing, Sireptococcus pneumoniae 66503.

+ carbenicilin, + gentamicin, + cotrimoxazole, antibiotic synergism, antibacterial activity, Pseudomonas maltophilia 3091.

activnty, Fseudomonas matopnilia 3091.
drug resistance, Mycobacterium tuberculosis, clinical isolates, USA, Texas 6422.
drug sensitivity testing, drug resistance, Mycobacterium tuberculosis 6443.
drug sensitivity testing, Mycobacterium leprae 4855.
effects on Bacillus subtilis, sporulation, stringent response 2242.
± pyrazinamide, antibacterial activity, Mycobacterium, nephelometry 7354.
resistance mutation, Rhizobium japonicum, relationship, symbiosis nitrogen

fixation 2962

inxanon 2962.

Historia Mycobacterium tuberculosis, biological properties 7319.

+ticarcillin + tobramycin, antibacterial activity 8357.

vancomycin, antibiotic synergism, antibiotic sensitivity testing, bactericidal activity, Staphylococcus aureus 7413.

drug sensitivity testing, Mycobacterium tuberculosis, radiometry 3051.

Ritamycin,
+amphotericin B, antifungal activity, experimental infection, candidiasis, guinea-pigs 8365.
-amphoterial activity 7446.
-antibacterial activity, artibiotic resistance, bacteria 7340.
-antibacterial activity, Chiamydia trachomatis 8360.
-antibacterial activity, Conferences 7650.
-antibacterial activity, Conferences 7650.
-antibacterial activity, Streptococcus group B 8361.
-antifungal activity, Asperbicoccus group B 8361.
-antifungal activity, Asperbicoccus group B 8361.
-antifungal activity, Candida albicans 8364.
-derivatives, ritandin, effects on RNA polymerase (DNA-dependent), bacteria 8358.
-leukocytes interaction, phagocytosis, Staphylococcus aureus 7450.
-toxacillin, ambacterial activity, Staphylococcus aureus 8356.
-production, immobilized cells, Humicola 4054.
-toxacillin, phagocytes, antibacterial activity, Staphylococcus aureus 7450.
-toxacillin, ambacterial activity, Staphylococcus aureus 7450.
-toxacillin, phagocytes, antibacterial activity, Staphylococcus aureus 7450.
-toxacillin, phagocytes, antibacterial activity, Staphylococcus 2054.

Budules For ... Transport, phagocytes, antibacterial activity, Staphylococcus 7449.

Rifamycin oxidase, activity, minobilized cells, Humicola 5083. activity, mfamycin production, immobilized cells, Humicola 4054.

Monocillium, isolation, transformation, characterization 2248. Rifandin, RNA poly erase (DNA-dependent), effects on, bacteria 8358.

RNA polymerase (DNA-dependent), enects on, bacteria 6350. Rigidoporus lignoeus, root rot, disease spread, host-pathogen interactions, kinetics, Hevea brasiliensis 5604. root rot, Hevea brasiliensis, pathogenesis 2920. Rimaritadine hydrochloride, +a-interferon, +ribavirin, inhibition, replication, influenza A virus 306. Rinderpest virus, antigens detection, complement fixation methodlogy 3257. live vaccines production, tissue culture methodlogy 3181. Rinn rot. +ribavirin, inhibition, replication, influenza A virus 3066.

Ring rot, bacteria, disease resistance, Solanum tuberosum 4559.

Ring rot, (continued)

Corynebacterium sepedonicum, identification, agglutmation, immunodiffusion, diagnosis, Solanum tuberosum 3466. Corynebacterium sepedonicum, light intensity effects on, Solanum tuberosum 7998. Corynebacterium sepedonicum, media (culture), culture aging effects on pathogenicity, Solanum tuberosum 7999. Ring spot,

Lycopersicon esculentum, etiology, tomato mosaic virus strains, USA, California 8842.

Ripening, Camembert cheese, aroma compounds, surfaces microflora, interaction, Penicillium camemberti 6186. cheddar cheese, stimulation, Streptococcus cremoris, intracellular proteinase

193

cheese, cheese flavor, stimulation, triacylglycerol lipase, proteinase, fungi 7860

fruits, antifungal compounds, Colletotrichum gloeosporioides infection, Persea americana 2000.

Ristomycin A, physicochemical properties 7454.

ilvers, antibiotic resistance, Enterobacteriaceae, Bangladesh 4133. aquatic microorganisms, biodegradation assays, chemical pollution 2329. aquatic microorganisms, biodegradation, o-phenylphenoi 7830. chemical pollution, monochlorobiphenyls, biphenyl, biodegradation 185. Escherichia, indicator species, population levels, water temperature 4131. fresh water, Aeromonas aumonicida survival, role disease transmission, furunculosis, Salmonidae 4937.

heterotrophic microorganisms slimes, heavy metals concentration, Eire 6716, microbial pollution, Aves, fecal coliforms, Canada 1502, microbial pollution, Salmonella 4129, pollution monitoring, fecal coliforms most probable number 1495.

pollution monitoring, fecal coliforms most probable number 1495. surface water, water quality, viruses 9254. USA, Wyoming, oil and gas industry effluents effects on microorganisms, biodegradation 9038. viruses microbial pollution, Romania 2406. viruses microbial pollution, Romania 2406. waste water, microorganisms, biodegradation, dissolved oxygen, organic matter, biochemical oxygen demand, biomass, ATP 1454. water exposure, utanium surfaces, microorganisms colonization 3650. water pollution, viruses, Japan 8423. water gulation, viruses, Japan 8423. water gulativip, pollution monitoring, Indicator species, Clostridium perfringens \$955.

characterization, beet western yellows virus, isolates, Capsella bursa-pastoris

citrus exocortis viroid infected Gynura aurantiaca, separation techniques, DNA, use, ethanol 3248

citrus exocortis viroid, precipitation, use, cations 3247

cirrus exocorris viruio, precipitation, use, cautonos 32-247.

detection, diagnosis, roltavirus (human) infection, methodology 2446, double stranded, bluetonjue virus genomes, analysis methodology 4148, double-stranded, barley yellow dwarf virus infection, Avena byzantina 250, double-stranded, killer factor, virulence, biological control, Endothia parasitica, blight, Castano dentata 8638.

double-stranded, viruses, role virulence, Entomophthora egressa, biological control, Choristoneura 8634.

climination, Endothia parasitica vinulence conversion, Castanea sativa blight biological control 6328. Levels, leaves, Pyricularia oryzae, blast, Oryza sativa 7978. plant viruses, replication, actinomycin D sensitivity, Vigna unguiculata leaves infection 7931.

intection 7931.
purification methodology, Streptornyces coelicolor 8472.
+ sodium, media (isolation), Shigeila 9326.
temperature association, batch culture, Saccharomyces cerevisiae 799.
tobacco mosaic virus, defection, hybridization analysis, enzyme-linked
immunosorbert assay, plants, tissues, protoplasts 4499.
tomato bushy sturi virus, cleavage, infectivity, Lycopersicon esculentum 2013.
tumip rosette virus, replication, Brassica rapa protoplasts 2045.
viruses, pyrazofunin, antiviral activity 4020.
viruses, silver staining, methodology 654.
yeasts, isolation methodology, use, Oerskovia xanthineolytica lyticase, sodium
dodecyl sulfate 8492.
Na bloavniffuestis.

RNA blosynthesis, antifungal activity, metalaxyl, Phytophthora parasitica var.nicotianae 8135. inhibition, antibacterial activity, myxopyronin 3130. marine microorganisms, measuring techniques, methodology 4143. tobacco mosaic virus, inhibition, 2-(a-hydroxybenzyl)benzimidazole, disease control, Nicotiana tabacum 7216. Control, Niconana tabacuni 7210.

RNA polymerase, bacteria, phages, isolation, kinetics, substrate specificity 59. purification, Streptomyces granaticolor 4327.

RNA polymerase (DNA-dependent), isolation, Mycoplasma 923.

rrlandin effects on, bacteria 8358.

RNA polymerase III, DNA binding, chron

DNA binding, chromatography, ionic strength effects on, yeasts 7704.

RNA polymerase (RNA-dependent),
activity, cowpea chlorotic mottle virus infection Vigna sinensis 4508.

mRNA. tobacco mosaic virus coat protein, characterization, Nicotiana tabacum mesophyll

protoplasts 286.

active sites, antibiotics effects on, ribosomes, reviews 1428. comparison methodology, Clostridium 2513. rRNA 18S,

levels, threo-1-phenyl-2-nitro-1,3-diacetoxy-propane effects on, Fusarium oxysporum 8921 rRNA 25S,

levels, threo-1-phenyl-2-nitro-1,3-diacetoxy-propane effects on, Fusarium oxysporum 8921 tRNA,

yeasts mitochondria, characterization, use, gels electrophoresis, methodology

Robinia, bark, nitrogen-fixing bacteria activity 8147. Robinia pseudoacacla, stem rot, Phytophthora cinnamomi, new records, China, People's Rep. 369. Rochalmese quintana, antibiotic sensitivity testing, characterization 6495.

Rocks,

petroleum recovery, phage T4D lysis, contamination, Escherichia coli 3986.

Rocky Mountain spotted tever,
immunodiagnosis, enzyme-linked immunosorbent assay, fluorescent antibody test

vaccines, immunogenicity, efficacy, Rickettsia rickettsii 2326.

Rodentia, disease transmission, public health, solid wastes, bacteria, fungi, viruses 2361.

Roflamycoln, biosythesis, Streptomyces maghwi sp.nov., taxonomy 2314

Homania, rivers, viruses microbial pollution 2406. swimming pools, enterovirus microbial pollution, comparison, bacteria indicator species 2409.

Root hairs,

Alnus rubra, actinorrhizas, Frankia 4599. Glycine soja, cloning DNA sequencs, Bradyrhizobium japonicum, Pseudomonas putida 6365.

infection, role capsules polysaccharides, Rhizobium japonicum, nodulation, Glycine max 2970. symbiosis, Lotnonnis bainesii, host plants, Rhizobium leguminosarum, Bradyrhizobium japonicum, role lectins 6382.

Root rot, Allium cepa, Fusarium solani toxins 2028

oot rot, Allium capa, Fusarium solani toxins 2028. Aphanomyces euteiches, disease resistance, Pisum sativum, plant breeding 2852. Armillaria mellea, Coniferales, susceptibility, relationship, soil nutrients, soil pH 2919.

Cicer arietinum, incidence, Rhizoctonia bataticola inoculum, mycelia, sclerotia, soil 1976.

Cochilobolus sativus, Hordeum vulgare yield components 5428. Cylindrocladium crotalariae, disease resistance, plant breeding, Arachis hypogaea

Cylindrocladium crotalariae, factors affecting, pathogenesis, Arachis hypogaea

7942.
Dematophora necatrix, horticulture crops disease resistance 2073.
disease control, forest management, Canada 2922.
disease control, soil amendment, sawdust, di cake, Triticum aestruum 8088.
disease resistance, inheritance, Triticum 2885.
Formes annosus, Pirus leaves chemical composition association 2116.
Fusarium avenaceum, disease control, soil pasteurization, Trifolium subterraneum

Fusarium avenacoum, disease control, soil pasteurization, Trifolium subterraneum 6301.
Fusarium desase resistance, plant breeding, selection, Trifolium pratense 6292.
Fusarium oxysporum, biological control, Laccaria laccata, ectomycorrhizas, aromatic compounds, Pseudolsuga menziesii 5562.
Fusarium solani fap.pisi, Fisum sativum, disease control, use, Trichoderma viride+fungicides 338.
Gaeumannomyces graminis var.tritici, pathogenesis, tritlcum aestivum 3809.
Giberella zeae, effects on carbofuran translocation, Zea mays 259.
Gossypium hirsutum, disease control, ammonia, Phymatortichum omnivorum 5523.
Gramineae, fungi, biodegradation, filter paper 1001.
Hevea brasilienisis, pathogenesis 2920.
Phaseolus vulgaris, Pythium etiology, USA, Wisconsin 7939.
Phaseolus vulgaris, Pythium, Fusarium, effects on N-(phosphonomethyl)glycine activity 7943.
Phymatotrichum omnivorum, Gossypium hirsutum, disease control, soil temperature+ water potential 8009.
Phymatotrichum, pathogenesis, Gossypium hirsutum, Gossypium barbadense 6280.
Phytophthora capsici, disease resistance, plant breeding, Capsicum annuum, Capsicum furtsecens 8024.
Phytophthora, Castanea sativa disease control 3876.
Phytophthora cinnamomi, Abies frasen, flooded soils effects on pathogenesis 5610.
Phytophthora cinnamomi, disease control, metalaxyl, efosite-Al, injection, Persea

Phytophthora cinnamomi, disease control, metalaxyl, efosite-Al, injection, Persea

americana 8125

americana 6120.

Phytophthora cinnamomi, Eucalyptus sieberi, soil types 5584.

Phytophthora cinnamomi, Phytophthora parasitica, biological control, Catenaria anguiltulae parasitism, Citrus, Persea 5515.

Phytophthora cryptogea, disease resistance, plant breeding, Carthamus tinctorius 6296.

Phytophthora cryptogea, disease resistance, screening, environmental factors, Carthamus tinctorius 7970.

Phytophthora, disease control, metalaxyl, silviculture, seedlings, Pseudotsuga menziesii 8927.

menziesii 8927.
Phytophthora, Glycine max, biological control, Hypochytrium catenoides 5510.
Phytophthora megasperma, Brassica oleracea var.capitata, Brassica oleracea var.botylis, USA, Oregon 5468.
Phytophthora megasperma, disease control, metalaxyl, Brassica oleracea 1225.
Phytophthora megasperma I.sp.glycinea, virulence, Glycine max, USA, New Yor Brassica oleracea 1225.

Phytophthora nicotianae f.sp.nicotianae, disease resistance inheritance

Phytophthora parasitica, Lycopersicon 296.
Phytophthora, orchards, Juglans regia 271.
Phytophthora parasitica, Lycopersicon esculentum, disease control, metalaxyl, sulfadoxine 5532.

suffadoxine 5532.

suffadoxine 5532.

Phylophthora pseudotsugae, Pseudotsuga menziseiii, etiology, pathogenesis 3909.

Pythium, Fusarium, solis (sandy), Zea mays 1998.

Pythium myrioylum, disease control, gibbereilims, foliar application, Arachis hypogaea 322.

Pythium dimmum, Beta vulgaris, Laetisaria arvalis biological control 323.

Rhizoctonia batatiocia, Cicer arietinum, phenols levels 1975.

Rhizoctonia batatiocia, Cicer arietinum, phenols levels 1975.

Rhizoctonia solani, disease control, 1-methyloyrazole carboxanilides, structure-activity relationships, Gossypium hirustum 580.

Rhizoctonia solani, Fusarium oxysporum, Pythium aphanidermatum, Cylindrocarpon, disease control, benomy, PCNB, Ficus benjamina 891.

Rhizoctonia solani, Fusarium oxysporum, Pythium aphanidermatum, Cylindrocarpon, disease control, benomy, PCNB, Ficus benjamina 891.

Rhizoctonia solani, Phaseolus vulgaris, herbicides effects on 1181.

Rigidoporus lignosus, disease spread, host-pathogen interactions, kinetics, Hevea brasiliensis 5604.

Root rot, (continued)
Sclerotium rolfsii, Eucalyptus, incidence, greenhouses 8942.
Xanthosoma sagitifolium, etiology, pathogenesis, Pythium myriotylum 8844.
Zea mays, role, Phialophora zeicola sp.nov., South Africa 264.

Roots, age, Rhizobium japonicum inoculation, dose-response effects, nodulation, Glycine max 2166.

max 2166.

Allium porrum, growth models, symbiosis, Glomus mosseae 3934.

Alnus glutinosa, Frankia actinorrhizas 2096.

Alnus rubra, nodules, Frankia nitrogenase activity 6318.

Areca catechu, Ganoderma lucidum infection, detection methodology, fluorescent antibody test 7160.

Beta vulgarie, natart fileaseae, plant viriese, voctore. Patrimus hasa. Beta vulgaris, plant diseases, plant viruses, vectors, Polymyxa betae, British isles 7190.

bioassays, Helminthosporium maydis phytotoxins, susceptibility, genes, Zea mays

cassava, fermenters, Aspergillus furnigatus, single-cell protein production 1709 catalase, ultrastructure, intercation, sulfur bacteria, rhizosphere, Oryza sativa

8962

8962.
Cistus incanus subsp.incanus, growth, ectomycorrhizas, Tuber melanosporum 3940.
Cocos nucliera: infection, Phytophthora palmivora 5445.
colonization, competition endomycorrhizas inculation, plants 5568.
colonization, ectomycorrhizas, inhibition, heavy metals, Picea sitchensis 8168.
colonization, ectomycorrhizas inculation, succession, spatial distribution,
soil, seedlings, Betula 5558.
colonization, ectomycorrhizas, inoculum potential, competition, trees 5563.
colonization, mathematical models, ectomycorrhizas, forestry 5577.
colonization, saprophytes, fungi, soil amendment, species composition, fungi
soil, mines 8230.
colonization, vesicular-arbuscular mycorrhizas. Malus domestica 8218.

soii, mines bz.soi., vesicular-arbuscular mycorrhizas, Malus domestica 8218. colonization, vesicular-arbuscular mycorrhizas, population levels, plantations, Coffea arabica 5626.

Coffea arabica 5628.
colonization, vesicular-arbuscular mycorrhizas, soil pH, calcium oxide soil amendment effects on, Zea mays 5629.
Coniferates, Pisolithus tinctorius spores inoculation, seedlings survival 5607.
crops, nitrogen fixation, dentifrication, flooded soils 2994.
density, colonization, vesicular-arbuscular mycorrhizas, Trifolium subterraneum, Medicago truncatula 8217.
density, effects on, Fusarium solani f.sp.phaseoli, infection, Phaseolus vulgaris 3782.

density, inhibiton vesicular-arbuscular mycorrhizas growth stimulation, Allium capa 5643.
ectomycorrhizas colonization, environment factors, trees 5551.

ectomycorrhizas colonization, spreading, nutrient transport, Pinus sylvestris

ectomycorrhizas colonization, water temperature, immersion, seedlings, Pinus radiata 7219.

radiata 7219.

Eucalyptus marginata, Eucalyptus calophylla, temperature, effects on, Phytophthora cinnamomi, infection 3912.

Eucalyptus, Phytophthora cinnamomi infection, water relations 5605. exudates spore germination, Homobasidiomycetes, ectomycorrhizas 2130. exudates, terpenoids, disease resistance, Fusarium oxysporum f.sp.vasinfectum, will, Gossypium hirsutum 8883. formation, propagation, auxin+ectomycorrhizas effects on, Pinus pinaster 5929. Gigaspora margarita colonization, sporulation, pure culture, Lycopersicon esculentum 8481.

Glycine max, Bradyrhizobium japonicum nodulation, penicillin sensitivity 5655. Gramineae, incidence, Gaeumannomyces graminis, Phialophora radicicola 2786. growth rate, models, infection, vesicular-arbuscular mycorrhizas, Trifolium subterraneum 3933.

subterraneum 3933.
growth, seedinings, stimulation, inoculation, Pisolithus tinctorius, ectomycorrhizas, Pinus taeda 3908.
growth, Solanum tuberosum, plant diseases, Verticillium dahliaa 5460.
growth, Solanum tuberosum, plant diseases, Verticillium dahliaa 5460.
growth, stimulation, seed treatments, Agrobacterium radiobacter polysaccharides, Beta vulgarias 2891.
Helicotylenchus digonicus parasitism, interspecific relationships, mycorrhizas, Pinus strobus, Pinus excelsa 348.
Heterobasidion annosum assays, media (selective) 2111.
host-pathogen interactions, agricultural practices, phytopathogenic fungi, Triticum aestivum 3807.

Triticum aestivum 3807. infection, Amiliania mellea, decline, Picea rubens 8948. infection, nodulation, Fihizobium, genetic analysis, Leguminosae 2974. infection, Pictobium, role polysaccharides, oligosaccharides, Leguminosae, respiration, entrogen fixation, Fihizobium 2957. Leguminosae, respiration, entrogen fixation, Hizobium 2957. devels, glibberellins, Bradyrhizobium japonicum nodulation, nitrogen fixation, Glycine max 8242. [Index. of microorganisms biodegradation, Pinus resinosa, Acer saccharum, Quercus live, soil microorganisms biodegradation, Pinus resinosa, Acer saccharum, Quercus live, soil microorganisms biodegradation, Pinus resinosa, Acer saccharum, Quercus live, soil microorganisms biodegradation, Pinus resinosa, Acer saccharum, Quercus live, soil microorganisms biodegradation, Pinus resinosa, Acer saccharum, Quercus live, soil microorganisms biodegradation, Pinus resinosa, Acer saccharum, Quercus live, soil microorganisms biodegradation, Pinus resinosa, Acer saccharum, Quercus live, soil microorganisms biodegradation, Pinus resinosa, Acer saccharum, Quercus live, soil microorganisms biodegradation, Pinus resinosa, Acer saccharum, Quercus live, soil microorganisms biodegradation, Pinus resinosa, Acer saccharum, Quercus live, soil microorganisms biodegradation, Pinus resinosa, Acer saccharum, Quercus live, soil microorganisms biodegradation, Pinus resinosa, Acer saccharum, Quercus live, soil microorganisms biodegradation, Pinus resinosa, Acer saccharum, Quercus live, soil microorganisms biodegradation, Pinus resinosa, Acer saccharum, Quercus live, soil microorganisms biodegradation, Pinus resinosa, Acer saccharum, Quercus live, soil microorganisms pinus pin

borealis 6322

Lolium perenne, fungi incidence, nitrogen, phosphorus effects on 6340. Lycopersicon esculentum, brown rot, Pyrenochaeta lycopersici isolation, identification 7176.

Malus purilla, distribtion, tomato ringspot virus 7994.
Medicago sativa, Rhizobium meliloti liccalization attraction 6380.
meristems development, inhibition, Pozizella ericae, mycorrhizas, Calluna vulgaris 5560.
necrosis, Citrus sinensis, Citrus jambhiri, association, blight, Fusarium

necrosis, Criconemella xenoplax disease control, dibromochloropropane effects on,

necrosis, Criconemella xenoplax disease control, dibromochloropropane effects orchards. Purus persica 7164, necrosis, Fusarium, Pythium, dibromochloropropane effects on, disease control, Criconemella xenoplax, orchards. Prunsu persica 7164, Nicotiana tabacum, tissue culture, Agrobacterium rhizogenes transformation, effects on susceptibility, infection, tobacco mosaic virus, potato virus Y 8076. nutrient flow, carbon sources, phosphate, mycelia, vesiculer-arbusculer mycorrhizas, Acer pseudoplatanus 55-stycelia, phytopathogenic fungi 4779. Orzyza sativa, nitrogenase activity, diurual variation, seasonal variations 5674. Persea americana, detection, Phytophthora cinnamorm, media (selective) 5932. Phaseolis volugaris, Rhizobium leguminosarum var.phaseoli inoculation, growth flowering 4506.

Pinus sylvestris, Armillaria mellea infection, fertilizer applications effects on 2923.

PERSON Sativum, nodules proteins, Rhizobium leguminosarum interaction 4644. plamt diseases, pathogens. + Cronarium ribicola blister rust; association, Dendrotorius ponderosae, Phyogenes fossifrons, Pirus montitocia, USA, idaho 8182

Roots, (continued)

oplant diseases, Persea americana, metalaxyl, efosite-Al, antifungal activity, Phytophthora cinnamomi 8923, plants, Bradyrhizobium japonicum attachment mechanisms, capsules polysaccharides

plants, ectomycorrhizas symbiosis, measuring techniques, reviews 832. plants, mycorrhizas, reviews 5647. plants, pathogens, tungi, interaction, ectomycorrhizas, reviews 393. plants, pathogens, tungi, interaction, ectomycorrhizas, reviews 393. plants, vesicular-arbuscular mycorrhizas infection, statistical analysis 1254. plants, vesicular-arbuscular mycorrhizas association 3945, respiration (cyanide insensitive), protons pumps, lipex pachyodon, methyl-acethydroxamoilacetate effects on, friticum aestivum 8745. Saccharum officinale, Pythum isolation, media (selective) 1993. seedings, ectomycorrhizas associanio, 3945. Sorghum vulgare, solis (sandy), clays, rhizosphere microorganisms, organic matter composting effects on 2121. Trifolium repens, ultrastructure, hyphae, Glomus fasciculatum 8226. Trifolium subterraneum, Heterodera daverti penetration, Fusarium avenaceum filtrates effects on 5524.

Trifolium subterraneum, Heterodera daverti penetiration, Fusarium avenaceum fittrates effects on 5524. 
Triticum aestivum, susceptibility, Pseudomonas plant diseases 6242. 
Vesicular-arbuscular mycorrhizas colonization, fruit trees 5619. 
Vesicular-arbuscular mycorrhizas colonization, phosphate, nutrient uptake, physiology, trees 5554. 
Vesicular-arbuscular mycorrhizas colonization, phosphate, nutrient uptake, crops 5820.

5620. vesicular-arbuscular mycorrhizas colonization, seasonal variations, environmental factors, Atripiex gardnen, deserts 365. Hesicular-arbuscular mycorrhizas, comparison, vesicular-arbuscular mycorrhizas vesicles, use, inoculum 2153. vesicular-arbuscular mycorrhizas infection, Malaysia, Leguminosae 8164. Zea mays, colonization, bacteria, interspecific relationships, bioassays 4639. Rootatocks.

OOIstocks,
Agrobacterium tumefaciens serotyping, crown gall, Malus pumila 270.
crown gall, disease control, streptomycin, CGA 78039, Malus pumila 342.
disease resistance, disease control, Ceratocystis fimbriata, witi, Brazil,
Mangifera indica 5440.
hybrids, Prunus domestica× Prunus persica, Prunus domestica× Prunus
cerasifera, susceptibility, tomato ringspot virus infection 4528.

Roquefortime, biosynthesis, Penicillium 7888. Roridin A,

solation, characterization, Phomopsis 7896.

crown gall, biological control, Agrobacterium radiobacter, reviews 333. cultivars, Sphaerotheca pannosa var.rosae races, isolation, virulence 2807. plant breeding, disease resistance, Sphaerotheca pannosa mildew, Diplocarpen rosae black spot 8096.

plant diseases, books 1686.

Rosa beiglum,
plant diseases, Erwinia amylovora 5461

Rosa corymbifera,

Rosa corymbifera, rose mosaic disease, apple mosaic virus, prunus necrotic ringspot virus 8820.

Rosa multiflora, plant breeding, seedlings, growth, Sphaerotheca pannosa, powdery mildew disease (SR,6,8,8,8,6,-e-Hydroxyethyl-2-carbamoyloxymethyl-2-penem-3-carboxylate, antibacterial activity, synthesis 534.

Rosa rugosa, SPA (SR,6,8,8,8) (SR,6,8,8,8,8) (SR,6,8,8,8) (SR,6,8,8,8) (SR,6,8,8,8,8) (SR,6,8,8,8,8) (SR,6,8,8,8) (SR,6,8,8,8) (SR,6,8,8,8,8) (SR,6,8,8,8,8

Sphaerotheca pannosa var.rosae races, isolation, virulence 2807.

Rosamicin

deepoxidation, products antibacterial activity 5789.

OBSPORMATION PROSERVED AND A CONTROL OF THE PROSERVED AND A CO

appie mosaro muse promise a Roseofungin, antiviral activity, influenza virus 6485.

Roseofoxin B, secondary structure, hydrogen bonding role, Trichothecium roseum 8756.

X-ray diffraction, crystal structure, N.M.R., Trichothecium roseum 8755.

Rosette, Beta vulgaris, etiology, rickettsia-like organisms 3845. Calendula officinalis, viruses infection 4547.

Rot.
Abise pinsapo, Aphyllophorales fruit bodies 5611.
Abise pinsapo, Aphyllophorales fruit bodies 5611.
Botrytis allit, disease resistance, plant breeding, Allium cepa 5479.
Botrytis allit, disease resistance, plant breeding, Allium cepa 5479.
Collection of the c

BXX6
Colocasia antiquorum, phytopathogenic fungi, etiology, pathogenesis 8010.

Oylindrocephalum, Phaseolus aureus 5409.
Delonix regia, epidemiology, Phellinus noxius 5590.

Erwinia chrysarrihemi, Dietferibachia maculata 5447.

Phytophthora megasperma f.sp.glycinea, disease resistance, Rps1 gene, linkage, metribuzin resistance, Him gene, Glycine max 2064.

Phytophthora megasperma f.sp.glycinea, disease tolerance selection, plant breeding, Glycine max 8079.

Phytophthora megasperma f.sp.glycinea, disease tolerance heritability, plant breeding, Glycine max 8085.

Phytophthora parastrica var.piperina, biological control, fungi extracts, Piper bette 5518.

Rizoctonia solani, disease control, agricultural practices comparison

Debe 3516. Phizoctorial solani, disease control, agricultural practices comparison fungicides, Phaseolus vulgaris 1210. Solanum tuberosum, Phytophthora parasitica, Phytophthora cryptogea, pathogenesis, USA, Texas 1155.

Rotating diseas,

lotating diaca, microorganisms, wastewater treatment, industrial effluents, dairy industry 6697. oxygen transfer, temperature effects on, wastewater treatment 1471. wastewater treatment 244. wastewater treatment 244. wastewater treatment, enterification, films pH 2356. wastewater treatment, industrial effluents, fungi 2341. wastewater treatment, intrification, mathematical models 2355. wastewater treatment, nitrogen removal, fertilizers, industrial effluents, Stichococcus bacilitaris -dentitrifying bacteria 9236. wastewater treatment, oxygen transfer 2347.

Rotating discs, (continued)

wastewater treatment, reviews, bibliographies 4904 Rotavirus

antigens, genes cloning, vaccines production 6643.
detection, comparison, counter immunoelectrophoresis, enzyme immunoassay, electron microscopy 4980.

detection, comparison, counter immunoelectrophoresis, enzyme immunoassay, electron microscopy 4980.
detection, enzyme immunoassay comparison immunoelectron microscopy 611 detection, feces, cattle electron microscopy comparison enzyme-inked immunosorbent assay 8434.
detection, immunoperoxidase test methodology, cell culture 6734. detection, immunoasorbent assay, enzyme immunoassay, ultracentrifugation+electron microscopy 1558.
disinfection, peracetic acid, sewage effluents 6695.
enzyme-inked immunosorbent assay, immunodiagnosis, false-positives 8438.
feces, detection, immunoelectron microscopy methodology, association gastroenteritis, enoantess, man 3252.
isolation, Callinectes sapidus, concentration, methodology 2431.
levels, detection microscopy 4862.
isolation, Callinectes sapidus, concentration, methodology 2431.
levels, detection microscopy 4862.
recombinants, vaccines production 6599.
serotyping, immunoelectron microscopy 4986.
survival, waste water, public health 1459.
ultrafilitration isolation, water reclamation 2396.
vaccines production, genetic engineering, immunopcrophylaxis 6595.
Rotavirus (bovine),
antiviral activity, ammonium-5-tungsto-2-antimoniate 6471.

notavirus (bovine), antiviral activity, ammonium-5-tungsto-2-antimoniate 6471. plaque assay 6735, vaccines, immunogenicity, animal models 3177. Rotavirus (human),

antigens detection, immunoassays solid-phase methods, feces, children 4169. detection, enzyme-linked immunosorbent assay methodology, feces, neonates, man 8444

detection, feces, electron microscopy, comparison, Rotazyme 3239 detection, feces, enzyme-linked immunosorbent assay, electron microscopy, passive hemagglutination 1552. detection, feces, enzyme-linked immunosorbent assay, electron microscopy, passive hemagglutination 1552. detection, feces, use, enzyme-linked immunosorbent assay, comparison, electron

oerection, feces, use, enzyme-linked immunosorbent assay, comparison, electron microscopy, immunoelectron microscopy 3236. detection methodology comparison, feces, man 641. disinfectants, antiseptics, antiviral activity 2232. immunoglobulin G serum levels, enzyme-linked immunosorbent assay, statistical analysis, man 4166. incidence, enzyme-linked immunosorbent assay, gastroenteritis, children, Venezuela 4165. incidence, enganges, detection, BNA methodological analysis (infection disprays); detection, BNA methodological analysis.

venezuela 4165, infection, RNA, methodology 2446, isolation methodology, monkeys kidney cell culture 3233, isolation, monkeys kidney cells 1560, radioimmunoassay 3243.

Rotavirus (simian) SA11, detection seawater, adequation, mother data, adequation, adequation,

polymers, biodegradation, fungi 3646. Rubella,

immurie status determination methodology, man 1569. pregnancy, man, rubella virus immunoglobulin M detection methodology 5878. seroepidemiology, serological tests comparison, surveys, man 4978.

seroepidemiology, serological tests comparison, surveys, man 4978. 
\*\*Rubella Virus,\*\*
antibodies, detection, hemagglutination inhibition 616.
antibodies, detection, immunofluorescence, immunoassays, methodology 637.
antibodies detection, latex agglutination methodology, serum, man 1539.
antibodies detection, latex agglutination, methodology comparison 1540.
antibodies screening, hemolysis assays, man 6745.
antiviral agents antiviral activity, cell culture 4770.
attenuation, temperature effects on, use live vaccines, cell culture 7485.
detection, enzyme-linked immunosorbent assay, comparison, hemagglutination
lishibition, man 5016.

defection, enzyme-iniked immunosordent assay, comparison, remargination inhibition, man 5016. hemolysis immunoassays, infection diagnosis, man, immune status 600. immune status, characterization, latex agglutination, man, methodology 635. immunoglobulin M detection, monoclonal antibodies use, immunoassay, man 644. immunoglobulin M, serum levels, enzyme-linked immunosorbent assay, man 618. membrane proteins, liposomes incorporation, vaccines, immunogenicity, rabbits

nubella, immune status determination methodology, man 1569, rubella, pregnancy, man, immunojobulin M detection methodology 5878, rubella, seroepidemiology, serological tests comparison, surveys, man 4978, specificity, immunojobulin M detection, enzyme-linked immunosorbent assay methodology 8446.

nunoglobulin M, serum ultracentrifugation, man 591.

specificity, imm

yoasts, transformation, rubeomycin B biosynthesis 1415. **Rubeomycin B**, yeasts, biosynthesis, rubeomycin A transformation 1415. **Rubeomycins**, **Structure 4372**.

Rubomycin,

interaction, DNA, fluorescence analysis 6066.

Rubratoxin B, detection, ani

nals feeds, use, thin-layer chromatography, methodology, factors affecting 7054. antibiotics production, Actinomadura recticatena sp.nov. 4060.

canker, phytopathogenic fungi, USA, Ohio 8846. carrier, prytuplantugene uning Joss, Cinio oseo.

crown gall, disease control, sewage sludge, soil amendment 310.

Didymella applanata infection, phenols levels 5454.

stem canker, Botryosphaena dothidea 8841.

viruses disease transmission, reviews 8004.

Rubus alleghenienals, hosts, tobacco ringspot virus, tomato ringspot virus 3818.

Rubus ellipticus, nodules ultrastructure, Frankia, actinorrhizas 8150.

Rubus idaeus, disease resistance, Didymella applanata, Botrytis cinerea, inheritance, plant

disease resistance, Didymelia appianata, Botrytis cinerea, internative, preeding 3869.
infection barriers, Botrytis cinerea, Didymella applanata, histology 8015.
Plant viruses, North America 6256.
Rubus uimfolius, rancia 6256.
Rubus uimfolius, Rubus and Ru

Rumen,

Rumen,
anaerobic bacteria, enumeration, inhibition, reducing agents, titanium citrate,
media (culture) 9301.
cellulolytic bacteria, digiestibility, feeds, turnips+straw, cattle 1920.
microorganisms, Digitaria pentizii cell walls degradation 4428.
Rumen mlcroorganisms,
cattle, organic acids fermentation 1919.
celluloytic enzymes activity, lignocelluloses, ozone pretreatment 3459.
continuous culture, fermentation, iduids dilution rates, pH 5295.
growth, fermentation, chetomin, effects on 2315.
plants cell walls digestion, reviews 3669.
straw biodegradation, chemical composition association 2695.
Rumex acetosella,

ust,
Acacia, fungi endigenous species, Hawaii 7236.
Anemone flaccida, iffe cycle, Puccinia japonica 8011.
Arachis hypogaea, leaves phenolic acids levels association 8771.
biological control, Bromus tectorum 8024.
Cronartium comptoniae, epidemiology, host-pathogen interactions, host alternation, Comptonia peregrina, Pinus banksiana 5602.
Cronartium quercuum 16, bo banksianae, disease control, use, 2-iodobenzanilide, benomyl, Pinus 3916.
Cronartium ribicola strains, virulence, disease resistance, Pinus monticola, USA, Oregon 8949.
disease control, induction, defensive mechanisms, hypersensitive response 8105.

disease control, induction, defensive mechanisms, hypersensitive response 8102. disease resistance, brome mosaic virus infection effects on, Triticum aestivum 263

263. disease resistance, Eucalyptus 5594. disease resistance, plant breeding, research programs, Triticum aestivum 2876. Endocronartium harknessii, pathogenesis, Pinus banksiana 8946. Endocronartium harknessii, susceptibility, geographical variations, seedlings,

Pinus ponderosa 8945.

Fungi, host range, India 2036.

Glycine max, disease spread, pathogenicity, association, economics 7944.

Gramineae, urediniospores, Puccinia recondita, Puccinia graminis, epidemiology

Hemileia vastatrix, Coffea, Verticillium psalliotae hyperparasitism, Malaysia 1204.

1204.
Hemileia vastatrix, disease spread, Western Hemisphere, Coffea 2798.
Hemileia vastatrix, plant breeding, disease resistance, Coffea arabica 6289.
Melampsora lini, host-patriogen interactions, peroxidase activity, liginin
biosynthesis, incompatibility, Linum usitatissimum 8046.
Melampsora lini, Linum usitatissimum disease resistance, India 3875.
Melampsordium betulinum, urediniospores, spore germination, temperature effects
on, Betula 8950.

on, betula 9590.

Phakopsora pachyrhizi, host range, host alternation, disease reservoirs, Leguminosae 7940.

Phaseolus vulgaris, disease resistance, cultivars comparison, sporulation incidence 8082.

Rust, (continued)
Uromyces fabae, Vicia faba, triadimeton, antifungal activity 3901.
Uromyces phaseoli, haustoria inhibition, triphenylphosphite, Phaseolus vulgaris
2899.

2099.
I/romyces phaseoli, Phaseolus vulgaris, association, chloroplasts ultrastructure, chlorophylls levels 2775.
I/romyces phaseoli, plant breeding, Phaseolus vulgaris, disease resistance 3857.
I/romyces phaseoli, races virulence, disease resistance, Phaseolus vulgaris 2846.
I/romyces trifolii, Trifolium repens 6781. Uromyces tritolii, I froilum repens 6761. Uromyces viciae-fabae, disease resistance, plant breeding, Vicia faba 2882. Uromyces viciae-fabae, susceptibility, Pisum sativum, vaneties 8774. Vicia faba, triadimefon effects on ultrastructure, Uromyces vicia-fabae, Puccinia

recondita 8131

Rye,
Fusarium zearalenone incident 1079.
Ryegrass mosaic virus,
Infection, inhibitors isolation, leaves, Lolium perenne 1984.

(S,S)-N,N'-Ethylenediamine succinic acid, Actinomycetes, production, inhibition, phospholipase C 5957.

growth, termentance and walls digestion, reviews operation association associa kinetics 7727.

Not fermentation, ethanol production, α-D-glucosiables propernes, word fermentation, ethanol production, α-D-glucosiables activity 5287.

Saccharomyces cerevislae, adenosylmethionine decarboxylase, purification, characterization, reviews 8569. artifungal activity, syedispoin A 8312. artifungal activity, seafful oils, spices 8318. artifungal activity, N-[berzy/ditho)carbamic acid aryl esters 2224. artifungal activity, rhampion 8563. aspanyl-RNA synthetase, glucose, glucose-6-phosphate residues identification aspanyl-RNA synthetase, glucose, glucose-6-phosphate residues identification aspanyl-RNA synthetase.

907.

aspartyl-IRNA synthetase, purification, physicochemical properties 1765. ATP regeneration, bioreactors 169. batch culture, temperature association RNA 799. calmodulin multiple forms, purification, characterization 8513. cell culture, batch culture, mathematical models 8503. cell culture, Glycine max seeds extracts effects on 5089. cell permeability, malate dehydrogenase, alcohol dehydrogenase, activity, continuous culture 3592.

chemostats, feedback inhibition, ethanol 6938. chemostats, feedback inhibition, ethanol 6938. clinical isolates, identification, clinical microbiology 808. cloning, Lactobacillus delbrueckii, malic acid, lactic acid, genes, role, wine, fermentation 2681.

cloning, Lactobacillus delbrueckii, malic acid, lactic acid, genes, role, wine, fermentation 2881.

cloning vectors, gene expression, mice a-amyliase biosynthesis 5169.

continuous culture, biomass production, optimization, respiratory quotient monitoring 8501.

corni, espiratory quotient monitoring 8501.

corni, espiratory espiratory experience of the continuous culture, pl levels, growth 5085.

corn, eshanol fermentation, catabolite repression 2677.

cytochrome c oxidase, metals centers, amino acids incorporation, reviews 5180.

cytochrome P-448 activity, benzo(a)pyrene hydroxylases dependent 5132.

dehydration resistance, sucross, lactose effects on 1047.

dehydrogenase, reduction, bicyclo[32.0]hept-2-en-6-one 5255.

dimethyl 2-methyl-3-oxosuccinic acid reduction, methyl 2-methylmalates biosynthesis 3561.

endonuclease, purification, characterization, electrophoresis 7756.

ergosterol biosynthesis, cytochrome P-450 role 944, ethanol, effects on, temperature, relationship, viability 6106.

ethanol extraction, glucose fermentation 5276.

ethanol fermentation, Beta vulgaris juices 987.

ethanol fermentation, biomass production, molasses, carbon sources, nitrogen sources 3607.

ethanol fermentation corn, magnitol, scribini, inhibition, 2678.

ethanol fermentation, biomass production, molasses, carbon sources sources 3607.
ethanol fermentation, corn, mannitol, sorbitol, inhibition 2678. ethanol fermentation, membranes, bioreactors 7804. ethanol, intracellular levels, factors affecting 989. ethanol production 5274. ethanol production, association, potassium, concentration 3613. ethanol production, comparison 986. ethanol production, comparison 986. ethanol production, polylulose conversion 3643. ethanol production, formentation, tubers, Helianthus tuberosus 5297. ethanol production, fermentation, tubers, Helianthus tuberosus 5297. ethanol production, fermentation, tubers, 4406.

Seccharomyces cerevisiae, (continued) ethanol production, malic acid conversion, activity, malate dehydrogenase, alcohol dehydrogenase 4409. ethanol production, masuring techniques, gases sensors electrodes 1868. ethanol production, oxygen effects On 3603. ethanol production, oxygen effects On 3603. ethanol production, sugars fermentation. Maillard reaction 8662. ethanol production, where reflects on 3659. ethanol production, where reflects on 3659. ethanol production, where reflects on 3659. ethanol production, where permeate fermentation 8669. ethanol tolerance, relationship heat shock proteins biosynthesis 988. exo-1.4-a-D-glucosidase production, genetic analysis 5155. extracts, food industry, by-products, brewing, baking 201. fatty acid synthetase active sites peptides, amino acid sequence, comparison, Cephalosporium carculens 8529. fatty acid synthetase, purification 6854. fatty acid synthetase, purification, characterization, comparison, Cephalosporium caerulens 8528. feeds, effects on growth, chickens 7874. fermentation, ammonium, enhancement, characterization 7810.

fermentation, ammonium, enhancement, characterization 7810 fermentation, continuous culture, extraction, ethanol 7808.

fermentation, continuous culture, oscillations, ethanol production, mathematical models 6119.

models 6119. fermentation, ethanol monitoring, sensors 4419. fermentation, ethanol production, ammonium stimulation 3626. fermentation, ethanol production, monitoring, computer applications 5966. fermentation, ethanol production, monitoring, oxygen consumption, carbon dioxide, computer applications 6140. fermentation, ethanol production, optimization, mathematical models 5964. fermentation, ethanol production, optimization, mathematical models, bioreactors 4149.

6138

fermentation, glucose metabolism, growth, mathematical models 6121. fermentation, hydrolysis, Pinus radiata, wood, inhibitors 7807. fermentation, measuring techniques, gas chromatography, levels, ethanol, butanol, acetone 3581.

acetone 3581.

fermentation, monitoring, thermodynamics, calorimetry 6080.

fermentation optimization, sodium azide effects on electron transport cytochrome
c oxidase, ethanol production 3624.

fermentation, pesticide residues biodegradation association 990.

fermentation, single-cell protein production, optimization, monitoring, computer
applications 5967.

fermentation, tubers extracts, saponins purification, Ficaria ranunculoides 5222.

fermentation, viability, fatty acids inhibition 3625.

Fermenters, ethanol, extraction, purification 5277.

B-D-fructofuranosidase, immobilization, coupling, Zea mays crop residues
8551.

β-D-fructofuranosidase, Immobilization, coupling, Zea mays crop residues 8551.

β-D-fructofuranosidase, Immobilization, effects on activity, stability 1743.

β-D-fructofuranosidase, immobilized enzymes, activity, stability 1770.

β-D-fructofuranosidase, sucrose hydrolysis, viscosity effects on 8535. tructose-bisphosphatase subunits, molecular weight 5130. gene libraries, centromeres DNA, isolation methodology, transformation 820. gene mapping, methodology, actin genes, use plasmid 2μ, chromosome 6 6788. genetic engineering, brewing 3628. genetic engineering, brewing 3628. genetic engineering, production, drugs, cloning vectors, methodology 7775. glucose fementation, ethanol production 8655. α-D-glucosidase active sites, histidine residues chemical modification 6851. α-D-glucosidase gene expression 3442. β-D-glucosidase gene expression 3442. β-D-glucosidase, immobilized cells+immobilized enzymes, cellobiose conversion, ethanol production 8664. gluraminase, purification, characterization 6866. growth, chronication, characterization 6866. growth, chronication, characterization 6866. growth, effects on 4886. growth, effects on 4866. hydrolysis, chemical modification, glucose, animals 6853. hydroid sedvelopment, ethanol fermentation strains 6146. hydrolysis, chemical modification, glucans, laminaran, chitin 6942. immobilized cells, cross-flow bioreactors, silica supports, ethanol fermentation 3605. immobilized cells, cross-flow bioreactors, silica supports, ethanol fermentation immobilized cells, cross-flow bioreactors, silica supports, ethanol fermentatio

immobilized cells, ethanol production, bioreactors 3634. Immobilized cells, glucose fermentation, ethanol production, fermenters 3606. immobilized cells, molasses fermentation, ethanol production 167. immobilized cells, steroids conversion 104. immobilized cells, steroids conversion 104. immobilized cells, steroids production, monitoring, computer production, computer

immobilized cells, sugars fermentation, ethanol production f130.

immobilized cells, whey, lactose fermentation, ethanol production f180.

immobilized enzymes methodology, characterization, fermentation applications 4408

4408. inorganic pyrophosphatase active sites conformation, assymmetry induction, innetics 3434. isoleucine-valine operon cloning, gene regulation, biosynthesis, 2,3-butanedione, 2,3-pentanedione, flavor compounds, beer 7797. lignocalluloses fermentation, crop residues, ethanol production 5292. mannans linkage, site location 5203. media (culture), oil cake extracts. Glycine max 8485. mitochondria, lipoxygenase, purification, characterization 913. musts fermentation, volatiles production, Botrytis cinerea activators effects on 3608.

oxygen uptake effects on continuous culture 4229.

oxygen uptake effects on continuous culture 4229.
Papulana sphaerosperma papulacandin B, glucans biosynthesis inhibition 1440.
peat hydrolysates, fermentation, ethanol production 6930.
phenylalanyl-IRNA synthetase, carbohydrate composition, comparison cytoplasm, mitochondria 930.
6-phosphofructokinase, purification, characterization 7664.
phospholipiase A1, purification, characterization 1767.
phospholipids biosynthesis, enzymatic activity detection, autoradiography 3364.
3-phytase, 6-phytase, purification, kinetics 4319.
production, glycerol, ethanol, deficient mutant, alcohol dehydrogenase 3642.
promoters, xylose isomerase gene expression. Escherichia coli 5157.
protein kinase, isoenzymes, purification, characterization 3456.
proteinase, purification, fluorometry assays, substrate specificity 935.
protopiastis solation, centriflugation, density gradients, methodology 9334.
pyruvate decarboxylase catalysis, pyruvic acid, acetaldehyde, acetoin

Saccharomyces cerevisiae, (continued)
by-products, chromatography use 7721.
rethrylphosphate mannose biosynthesis, biochemical characteristics 2631.
ribonuclease H, purification, characterization, activity 886.
ribonuclease, purification, characterization 2626.
× Saccharomyces diastaticus, protoplast fusion, media (culture) 5925.
Saccharomyces diastaticus, protoplast fusion, media (culture) 5925.
Saccharomyces mellis protoplast fusion, fermentation association 971.
Saccharomyces mellis protoplast fusion, ferture fusion, feeding fusion, feeds, fusion, feeds, fusion, feeds, fusion, feeds, fusion, feeds, fusion, fusio

temperature effects on cell culture 5084. tepache, fermentation 1898.

tepache, fementation 1998.

translation cell-free systems, preparation 821.

wine fementation, nontarget organisms, toxicity, herbicides, insecticides, fungicides 2082.

wort fermentation, acetyl-CoA levels, acetic acid esters production 4416.

wort fermentation, mezcal 1862.

Saccharomyces chevalleri, enumeration, oranges juices frozen products 7850.

Saccharomyces delbrueckii, methyl-2-methyl-3-(2-turyl)-3-hydroxypropionate production, methyl-2-methyl-3-(2-turyl)-3-hydroxypropionate production 4399.

Saccharomyces delstaticus, detection, preweries, methodology 5296.

exo-1,4-a-D-glucosidase production, genetic analysis 5155.

exo-1,4-a-D-glucosidase subunits, purification, characteristics 8570.

× Saccharomyces cerevisiae, protoplast fusion, media (culture) 5925.

Saccharomyces cerevisiae, spheroplasts membrane fusion, flocculation activity, role fermentation 8637.

role fermentation 8637.

Saccharomycas ellipsoideus,
fermentation wine, relationship, Vitis vinifera content. carbon, hydrogen,
nitrogen 7793.

Saccharomycas fermentati,
methyl-2-methyl-3-(2-furyl)-3-hydroxypropionate reduction,
methyl-2-methyl-3-(2-furyl)-3-hydroxypropionate production 4399.

Saccharomycas formosensis,
immobilization, growth, ethanol production 1866.
immobilized cells, ethanol production 5291.
immobilized cells, molasses fermentation, ethanol production 168.

Saccharomycas Italicus,
fermentation, gases liquids phase transition, spectrometry fermenters 15

8-D-galactosidase activity, assays, dairy industry 5172.
Saccharomyces mellis,
+ Saccharomyces originals,
+ Saccharomyces originals,
aroma compounds biosynthesis, identification, gas chromatography, I.R. spectroscopy 7813.
musts fermentation, volatiles production, Botrytis cinerea activators effects on 3608.

Saccharomyces rouxil, spoilage, water content effects on, mathematical models, apples 8877.

sponage, water content enects of, maintenance includes, applies 6677.

Saccharomyces uvarum, acetic acid esters production, wort fermentation 4420. ethanol, fermentation 3616. ethanol fermentation 6127. fermentation, high-gravity wort, nutrient requirements, ethanol production 8667. immobilized cells, ethanol production, fermentation, juices, Sorghum bicolor occode.

mutants, fermentation, ethanol, production 7802.

Saccharomyces uvarum var.inulyticus var.nov.,
identification, biological properties, association ethanol biosynthesis 159. learningation, prological properties, association etitalio Seccharomyces viril, aging, champagne 4405. lipoxygenase activity 5171. Saccharomycopsis fibuliger, growth, pectin, biodegradation, waste treatment 7831.

fermentation, potatoes food processing waste water, biomass 157. Saccharomycopsis lipolytica, immobilized cells, cifric acid production 2554. Saccharopine reductase, biosynthesis, role, Lys14 gene, Lys9 gene, Saccharomyces cerevisiae 7690.

Saccharum.

Saccharum, nitrogen-fixing bacteria identification 5652.
Puccinia melanocephala rust, epidemiology, USA 1124.
Saccharum Officinale,
bagasse, Aspergillus furnigatus biodegradation, enzymes role 186,
carbendazim, treatment, effects on, fungi, spore germination 8127.
crop residues, fermentation, continuous culture, Candida utilis+Paecilomyces

variotii 3686 vanoti 3088. fermentation, Lactobacillus ammonia, yeasts, Lactobacillus 2754. ration stunt, Clavibacter gen.nov. isolates, characterization 6240. ration stunt, coryneforms, characterization 3810. roots, Pythium isolation, media (selective) 1993. stillage, digestion (anaerobic), fermenters, mechanisms 1861. Xanthomonas albilineans scald, chloroplasts differentiation 253.

Saccharum spontaneum,
Puccinia melanocephala rust, epidemiology, USA 1124.

truments, bacteria manipulation, laboratories occupational hazards 5872. Safety regulations, allatoxins food contamination, reviews 7065, food industry, enzymes 43, legislation, occupational exposure, industries, enzymes 45.

Salmonella, (continued)
isolation, sewage contamination water, media (enrichment), methodology 9259.
isolation, sewage sludge, methodology comparison 9231.
levels, wastewater treatment association aquaculture, Hypophthalmichthys molitrix, Aristichthys nobilis 1463.
media (solation), agar tubes 2503.
media (selective), isolation, methodology 7628.
microbial pollution, estares 6713.
microbial pollution, estares 6713.
microbial pollution, estare pollution, media (enrichment) 4176.
pathogens, pollution control, sewage sludge, digestion (anaerobic) 2368.
recovery, pyruvic acid, media (enrichment), pruvic acid effects on 3322.
serotypes, autiliotic sensitivity testing 7415.
serotypes, sunitionic sensitivity testing 7415.
serotypes, suntionic sensitionic sensitivity testing 7415.
serotypes, suntionic sensitivity testing 7415.
serotypes, suntionic sensitivity testing 7415.
serotypes, suntionic sensitivity testing 7415.
serotypes, biotypes, isolation, meat, feeds 6963.
serotyping, automated methods 2506.
survival, antibiotic resistance, beef, refrigeration 7005.
survival, antibiotic resistance, beef, refrigeration 7005.
survival pasteurization, cheese 1902.
typhoid fever, agglutnation, bioassays, diagnosis, methodology, man 667.
vaccines production, antigen O, immunogenicity 2322.
water solates, If factors transfer, antibiotic resistance, waste water, surface water 9046.
water pollution, media (isolation) 5857. Safety regulations, (continued) toxicity testing, food industry, enzymes, microorganisms 44-weed control, biological control, pathogens 3897. Safracin, Salmonella, (continued) Setracin, antitumor activity, antibacterial activity 1446. fermentation, arittumor activity, Pseudomonas fluorescens 958. physiocohemical properties, N.M.R. 959. Setramycin R, structure, N.M.R., interaction, DNA 957. Structure, review, interaction, brite sorts.

Salad dressings, mayonnaise, mismos contamination 7847.

Salicytaniildes, derivatives, synthesis, antifungal activity, disease control, downy mildew, Cucumis sativus 8315. Salicylate 1-monooxygenase, characterization, Trichosporon cutaneum 6864 characterization, inchosporori cutarieum 6004.
Salticyllie sold, Micrococcus 3684, biodegradation, Micrococcus 3684, biodegradation, plasmids, genetic analysis, reviews, hydrocarbon-degrading bactena 8284, derivatives, antifungal activity 3063, disease control, Agrobacterium tumefaciens, crown gall, Nicotiana tabacum 7217. water 9046.
water pollution, media (isolation) 5957.
Salmonella agona,
detection methodology, milk samples, phage O1 use 1573.
microbial pollution, rivers 4129. Salinity. omysammemum morriolium, effects on infection susceptibility, Phytophthon, cryptogea 7181. effects on, bacteria, nitrification, estuaries, measuring techniques 3338. effects on nitrogen fixation, nodulation, Rhizobium, nitrogen-fixing bacteria, crops 2909. anthemum morifolium, effects on infection susceptibility, Phytophthora microbia poliudori, fives 4"1".
Salmonella albany,
enzyme-linked immunosorbent assay, poultry 8759.
Salmonella anatum,
detection methodology, phage O1 use, milk samples 1573.
Salmonella dublin, effects on spore germination, Clostridium botulinum 1899. inhibition, Rhizobium growth rate, isolates, Arachis hypogaea 2170. Salinomycin, production, lipids carbon sources, fermentation, aeration, Streptomyces albus Salmonella dublin, antibacterial activity, peptides analoges 2210. antibibote resistance, animal isolates, meat isolates 6441. detection methodology, phage O1 use, milk samples 1573. Salmonella entertitidis, chioramphenicol. bacteriotidal activity 4853. detection methodology, phage O1 use, milk samples 1573. survival, slurries, wastewater treatment, nitrate-reducing bacteria 6700. Salmonella gera, antibiotic sensitivity testing 7415. Salmonella hadar, spoilage, freeze-thawing storage effects on, beef, poultry 6975. Salmonella infantis, microbial pollution, rivers 4129. Salmonella krefeld, 4874 Saliva pretreatment, Mycobacterium tuberculosis cell culture methodology 5897.
Salix,
Rhytisma salicinum infection, national parks, Iceland 7195. Anytisma saucutum mecanismos, Salix alba, Salix alba, Ast-pathogen interactions, Uncinula adunca, isolation, morphology 8191. Phellinus punctatus incidence, USA, North Dakota 3838. propagules, disease transmission, Watermark disease, Erwinia salicis 363. Salix alba ver-vitellina, Salix alba ver-vitellin Phellinus punctatus incidence, USA, North Dakota 3838. Sallx bebblana, Sailx oeoolana, Phellinus punctatus incidence, USA, North Dakota 3838. Sailx caprea, collulose, cellulase hydrolysis 8676. Sailx eriocephala, Phellinus punctatus incidence, USA, North Dakota 3838. Salmoneila krefeld, detection methodology, phage O1 use, milk samples 1573. detection memocrapy, prage of the composition, ultrastructure 4477, endotoxins, glycolipids, chemical composition, ultrastructure 4477, endotoxins, ultrastructure 3759, endotoxins, ultrastructure, hydrophobicity, acids, bases treatment effects on 4476. Salix erlocephala,
Phellinus punctatus incidence, USA, North Dakota 3838.

Selix nigra,
wood, storape, decay fungi, Basidiomycetes 8197.

Salix rotundifolia,
ectomycormizas, temperature effects on, tundra 2103.

Salix wellichiana,
host-pathogen interactions, Uncinula adunca, isolation, morphology 8191.

Salmo gairdnerl,
bacteria isolates, drug resistance plasmids incidence 9072.
body weight, food conversion, fish culture, food contamination effects on 219.
Reinibacterium salmoninarum kidney diseases, bacterins vaccines 6662.

Salmonella,
antibacterial activity, ciprofloxacin 4744.
antibiotic resistance, animal isolates, meat isolates 6441.
antibiotic resistance, animal isolates, meat isolates 6441.
antibiotic resistance, a flactor incidence 6430.
carcasses, buffaloes 6199.
carriers, food industry, man 8427.
cefmenoxime antibiotic resistance, epidemiology 3992.
clinical isolates, antibiotic resistance, epidemiology 3992.
clinical isolates, antibiotic resistance, epidemiology 3992.
clinical isolates, antibiotic resistance, epidemiology 3992.
contamination, food, characterization 6971.
contamination, poultry carcasses, meat industry 1051. enterobacterial common antigen, aggiutination, immunodiagnosis, infection 5911. immunoglobulin G, enzyme-linked immunosorbent assay, rabbits 2459. lipid A fractions, enzyme-linked immunosorbent assay, thin-layer chromatography lipid A fractions, enzyme-mixed minital scales of the Solet antibiotic sensitivity testing 7415. Salmonella typhi, ialmonella typhi, antibacterial activity, formazans 9139. antibacterial activity, formazans 9139. antibacterial activity, formazans 9139. antibacterial activity, 4600. Subsequence of the properties of the p ceffmenoxima antitions.
ceffmenoxima antitions.
ceffmenoxima disinfection, pH enterest contamination, peted states antibiotic resistance, epidentinal, contamination, food, characterization 6911.
contamination, poutry carcasses, meat industry 1051.
contamination, poutry and products 1049.
contramination, microwave radiation, steam, bot air, feeds, chickens 1066.
detection, microwave radiation, steam, bot air, feeds, chickens 1066.
detection, DNA hybridization analysis, food contamination of 73.
detection methodology, diarrhea, man 5921.
detection methodology, phage 01 use, milk samples 1573.
detection, milk contamination, erzyme-linked immunosorbent assay methodology 766. Salimonella typhimurium,
drug resistance, india animal isolates 3042.
drug resistance, paterns, R factors incidence 3039.
enterotoxis, detection methodology, CHO cells use 1933.
feeds contamination, chickens 7009.
feed contamination, chickens 700

Salmonella typhimurium, (continued) strains, Ames test variability, genetic drift, statistical analysis 5916. strains, genetic drift, Ames test variability 5914. vaccines, 8-propiolactore inactivation, immunogenicity, mice 2324. vaccines, salmonellosis prophylaxis, cattle 5811. Salmonella typhimurium var.classic, cattle 5811. Salmonella typhimurium var.classic, antibiotic resistance, animal isolates, meat isolates 6441. Salmonella typhimurium var.copenhagen, antibiotic resistance, animal isolates, meat isolates 6441. Salmonella wettevreden, enterotoxins, biosynthesis, purification 2765. Salmonellosis.

enterotoxins; Dissyrturesis; purincation 2.5 of Salmonellosis, milk contamination, cost-benefit analysis, man 4449. prophylaxis, Salmonella typhimurium vaccines, cattle 5811. Salmonidæe, furunculosis, Aeromonas salmonicida, survival, rivers fresh water, role disease in salmonisterion. 4047

Sait marshes,

bacteria, enumeration, methodology 4177. sediments, detritus lignocelluloses biodegradation, bacteria, fungi 6171. Salts

Saita, ammonium, heptacain, antibacterial activity, Staphylococcus aureus 7541. heavy metals, Oryza sativa seedlings, effects on disease resistance, brown spot, Drechslera oryzae 2077. heavy metals, susceptibility. Mycobacterium scrofulaceum, Mycobacterium intracellulare, Mycobacterium avlum 304. inhibition, ethanol production, Saccharomyces cerevisiae 4412. organic acids, antimicrobial activity, fungi, silage 6489. Salvia officinalia, spices, essential oils, antibacterial activity 8719. Salvia paleestina, flavonoids, antibacterial activity, bacteria 4008. Samolera,

air spora, epidemiology, plant diseases 804. bacterioplankton, water stratification, marine environment 1611.

Dactert/pleanast, Sampling, Sampling, contamination, hygiene, meat industry 3714.

Epichioe typhina, methodology, enzyme-linked immunosorbent assay use, Festuca arundinacea 796.

mycelia, fermenters 9332.

ekin. microflora, methodology, reviews 4964.

skin, microflora, methodology, reviews 4964.

SAN 371F,
cross-resistance, metalaxyl, Phytophthora infestans, Pseudoperonospora cubensis,
disease control, Solanum tuberosum, Cucumis sativus 2894.

dunes, coastal environments, sulfur oxidation, acidity, soil microorganisms 8968. filtration methodology, reovirus removal, inactivation, drinking water 9253. + tar combustion wastewater treatment, oil and gas industry, organic compounds, microorganisms oxidation 3194.

Sanitation,
dairy industry 5867,
atcheriese, microorganisms monitoring 2330,
waste disposal, hospitals wastes, pathogens 1520,
water supplies, association, disease control, Shigella, diarrhea, man 7529.

Sanitizers, antibacterial activity, methodology 1526 antimicrobial activity, characterization 1354. antimicrobial agents, dentures, bacteria, fungi 2420.

Santalum album,

spike, pathogenesis, phytotoxins, Mycoplasma 8955

Sentonin, hydrogenation, 1,2-dihydro-α-santonin production, stereochemistry, fermentation, Streptomyces cinereocrocatus 5245.

Nicotiana tabacum, immunodiffusion, detection, cucumber mosaic virus 8822. Nypa fruticans, vinegar production, fermentation, Acetobacter aceti 6999. Sapindus mukuroasi,

fruit bodies, saponins isolation, characterization 8627. Saponins,

isolation, Sapindus mukurossi fruit bodies, characterization 8627. purification, tubers extracts, fermentation, fungi, Ficaria ranunculoides 5222.

aprolegnia, Thiophene derivatives antifungal activity, photoinduction 3060.

Thiophene derivatives arimungs aboutly provided the special space of the

Sarrothagy,
food preferences, fungi decomposition, Pinus, leaves, Porcellio scaber 2912.
Fusanum oxysporum f.sp.ciceri, plant debris colonization, temperature effects
on, soil 5618.

Morchella esculenta, spore germination, soil temperature 386.

Morchela esculental, spore germination, son temperature 300.

Seprophytes,
bacteria, enumeration, methodology, water quality 6755.

Exserohilum furcium, survival, soil 2137.

fungi, rots colonization, soil amendment, species composition, soil disturbance,
mines 8230.

Phytochhora colonization, soil survival, association, Colonization 856. rvival, association, Colocasia 8958

Phytophthora colocasiae, soil, surviv Scierotium rolfsii, survival, soil 3943

Sarcoma, antitumor activity, polysaccharides, extracellular polymers, Clostridium, mice 3540

Sarcoma 180,

Sercosine 160, artitumor activity, glucans, isolation, Grifola frondosa fruit bodies, mice 6891.

Sercosine oxidase, cysteine, histidine residues chemical modification, Corynebacterium 12. dithiothretol reduction, kinetics, Corynebacterium 6842. immobilized enzymes, Corynebacterium, electrodes, creatine, creatinine 89.

Sasafras randalnes, magnolol, isolation, chemical properties 454.

Saud Arabla, Glycine max, Rhizobium japonicum inoculation methodology 2953.

Saudi Arabia, (continued) plant diseases, bacteria, phytopathogenic fungi, plant viruses 5399.

Sausages, bacteria, contamination 1908

fermented food, phage B2 infection, starter cultures, Lactobacillus plantarum

fermented food, phage fri infection, starter cultures, Lactobacillus plantarum starter cultures 6188

starter cultures, Lactobacillus 1900.

Savannahs,

soil, urea fertilizers, sulfur coatings, pH, nitrogen levels 8256, tropical environment, ecosystem dynamics, soil microorganisms 2941.

Sawdust

cellulase hydrolysis, immobilized cells, radiation polymerization, Trichoderma reesei 6949 soil amendment, disease control, root rot, Triticum aestivum 8088.

Scab,

Cladosporium carpophilum, Prunus, disease control, fungicides, new records 339. Cladosporium caryigenum, host-pathogen interactions, leaves histopathology, disease resistance, Carya illinoensis 3814. Cladosporium cucumerinum, Cucumis sativus, seedlings, pathogenesis, role,

proteinase 7178 disease spread, Cladosporium carpophilum, conidia release, relative humidity, I.R. radiation 272.

I.R. radiation 272.

Elsinoe batatas, plomoea batatas, tubers yield 8007.
Fusarium, Gramineae, pathology, zearalenone production, animals ingestion, toxicity, reviews 7056.

Malus floribunda, Venturia inaequalis pathogenicity, growth, leaves 7988.

Matus pumila, captan use disease control, residues 8925.

Venturia inaequalis, Malus pumila, disease resistance, plant breeding 2835.

Venturia inaequalis, Malus pumila fruits, susceptibility, role, age, temperature, water availability, 2797.

Venturia inaequalis, setrols inhibitors, disease control, Malus 3881.

Venturia pyrina, disease resistance, Pyrus amygdaliformis, Pyrus communis 8080.

cald,

Scald,

celd, Monographelia albescens, fungicides, disease control, Oryza sativa 2087. Rhynchosporium secalis, disease resistance, genetic variance, plant breeding, Hordeum vulgare 316. Xanthomonas albilineans, Saccharum officinale, chloropiasts differentiation 253.

Rhynchosporium secalis, Hordeum vulgare, pure culture, biosynthesis, rhynchosporosides 3801.

Scandium(III),

Iron(III) enterobactin complex, antibacterial activity, gram-negative bacteria 5727.

S/127.

Scanning electron microscopy,
Aspergillus flavus, pathogenesis, Zea mays 6245.
detection methodology, bacteria cell adhesion, comparison, penetration, cell
culture monolayers 5898.
fungi condida, preparation 2522.
nocardicin A, effects on, Pseudomonas aeruginosa, Escherichia coli, morphology
0216.

Section Section of the American Sectin Section of the American Section of the American Section of the

Scaphytoplus cautus, disease transmission plus visues infection, buds proliferation, Glycine max, USA, Louisana 4510.

Scaphytoplus nitridus, disease transmission vectors, Spiroplasma citri, isolation, yellows, X-disease disease transmission vectors, Spiroplasma citri, isolation, yellows, X-disease

8021

Scenedesmus obliquus,

± Acinetobacter calcoaceticus, biodegradation, octane 2191.
Schefflera arboricola,

Pseudomonas cichorii dwarf blight 1162.

Schizophyllum commune, cellulase, purification, amino acid sequence, characterization 7728

cellulolytic enzymes, excretion, carbon sources, cellobiose, cellulose effects on

inorganic pyrophosphatase, purification, characterization, kinetics 5154. Schizosaccharomyces acidodevoratus, musts fermentation, wine production, aroma compounds, organoleptic evaluation

Schizosaccharomyces pombe, antibiotics production, morphology association 2255. cell culture 7636.

centage (200).

ethanol production, D-xylulose conversion, feedback inhibition 3644.
β-glucans, biosynthesis, papulacandin B, effects on 2223.

membranes, lipid composition, sterol composition, drug resistance relationship 3990.

peat hydrolysates, fermentation, ethanol production 6930.

peat trydrogsaets, enternatuori, enterna production osso.
purification, 3-phosphoshidimate 1-carboxyvinyltransferase, shikimate kinase, shikimate dehydrogenase, 5-dehydroquinate synthase, 5-dehydroquinase 1800. xylose fermentation, ethanol production 5294.
D-xylulose fermentation, ethanol feedback inhibition 3589.

Schwanlomyces castelli, single-cell protein, fermentation, starch 1721.

Schwanniomyces, antibiotic sensitivity testing, geneticin 5803

Schwanniomyces castellii, starch fermentation, factors affecting 197.

exo-1,4- $\alpha$ -D-glucosidase,  $\alpha$ -amylase, production, optmization, carbohydrates hydrolysis 5193.

carbohydrates hydrolysis 5193.

Sclaridae,
infestation, culture, fruit bodies production, Basidiomycetes 7854,
infestation, pest control, fruit bodies production, culture, Basidiomycetes 7855.

Scilla tubergeniane,
yellows, Xanthomonas campestris pv.hyacinthi 2042.

Scirtilliation,
ilquids, radioactive labelling, carbon-14, Aspergillus nidulans 5933.

Scirrhia acicola, brown spot, Pinus ponderosa disease resistance, analysis methodology 3925.

Sclerocystis,
population levels, roots colonization, plantations, Coffea arabica 5626.
spores, soil, Israel 6337.
Scleroderma aurantium,
ectomycorrizas, inoculation, plantations, Quercus robur, Quercus petraea 7220.
Sclerospora graminicols,
downy middew, disease control, metalaxyl, foliar applications, Pennisetum
americanum 8137.
downy middew, host-pathogen interactions, geographical variations, Pennisetum
americanum 5431.

cowny mindew, nost-patrogeth internations, geographical variations, Fethilisetom americanum 5431.

downy mildew, pathogenicity, comparison, isolates, Africa, Asia, host-pathogen interactions, Pennisetum kiphoides 2796.

host-pathogen interactions, strains compatibility, sexual reproduction, geographical variations, downy mildew, Pennisetum americanum 7973.

Sclerotia,

Napergillus flavus, ear rot Zea mays 8784.

Norothornina phaseolina, soil levels, latent infection, Euphorbia lathyris, weeds, USA, Arizona 8044.

Nitroctonia battaicula, soil inoculum, Cicer arietinum infection incidence 1976.

Rhizoctonia solani, biological control, Verticillium biguttatum treatment, Lycopersicon esculentum 325.

Sclerotinia sclerotiorum, antifungal activity, fluorophenylalanine 8310.

Sclerotinia trifoliorum, infection, Trifolium pratense seeds 7132.

Sclerotinia trifoliorum, infection, Trifolium pratense seeds 7132.

Sclerotinia dahilae, characterization, pathogenicity, plant diseases 2023. viability, soil solarization effects on, Macrophomina phaseolina 6302.

Sclerotinia 6302.

Vitability, Soil solarization effects on, Meclopholima prisections 6502.

Sclerotinia, disease control, benomyl, crown rot, stem rot, Medicago sativa 5527.

Teratosperma oligociadum hyperparasitism, biological control, phytopathogenic fungi 975.

Sclerotinia minor,

Sclerotinia minor,
blight, Arachis hypogaea, South Africa 5410.
Selerotinia scierotlorum,
disease control, vinclozolin, Brassica napus 2903.
fluorophenylasinine, anthrugal activity, sclerotia 8310.
pathogenesis, virulence, role pH, oxalic acid, levels, Helianthus annuus 2010.
stem rot, (dycine max, agricultural practices effects on pathogenesis 1120.
stem rot, wilt, planting timing effects on, Cicer arietinum 5412.
white mold, canopies effects on disease control, Phaseolus vulgaris 7930.
Sclerotinia tritoliorum,
plant diseases, disease resistance, selection, Medicago sativa 5485.
sclerotia, infection, Trifolium pratense seeds 7132.
stem rot, pathogenicity, inoculum density, Trifolium 2783.
Sclerotlum,
root rot, disease control, soil amendment, sawdust, oil cake, Triticum aestivum 808.
Sclerotlum cebNorum.

8088.
Sclerotium ceptvorum,
disease resistance, host range, Liliaceae 8043.
pesticide resistance, iprodione, vinclozolin, myclozolin, dicloran, quintozene
5529.

viability, iprodione resistance 6312.
white rot disease resistance, Allium cepa, Allium porrum, screening projects

white rot disease resistance, Allium cepa, Allium porrum, screening projects 3866.
white rot, plants, host range 1156.
Sclerotium rotfall,
antimicrobial activity, nematicides 1325.
Arachis hypogaea stem rot, epidemiology, factors affecting 6239.
crater disease, Triticum aestivum, soil furnigation+solar radiation effects on 8120.

6120.
damping-off, disease resistance, Philippines. Nicotiana tabacum 7179.
glyoxylate dehydrogenase (aceylating), purification, characterization 3502.
manoczeb-curzate artifungual activity 20185.
phytopathogenic fungi, biological control, Trichoderma parasitism, ultrastructure 1213.

nt diseases, Helianthus annuus, biological control, Trichoderma harzianum

4586.

Jean diseases, Helianthus tuberosus, effects on yield 5457. root rot, wilt, Eucalyptus, incidence, greenhouses 8942. sclerotia germination, factors affecting 6338. sheath blight, pathology, Sorghum bicolor 4516. soli-borne diseases, disease control, solar radiation 2845. soli-borne diseases, disease control, solar radiation 2845. spore germination, carbendazim, treatment, effects on, Saccharum officinale 8127. stem bit, Arachis hypogeas, spatial distribution, crop fields, USA, North Carolina 7134. survival, soil, saprophytes 3943.

survival, soil, saprophytes 3943.
Scotytus vertrails,
attack, association bacteria, wetwood, Abies 5585.
Scombridae,
soaflood, smoke,
preservation, spoilage 8718.
Scopulariopats brevicaulis,
biodelenoration, wool, control, biocides 1288.
cellulase, production, composting, animal wastes 928.
drug sensitivity testing 5739.
Scorch

Kabatiella caulivora, disease resistance, plant breeding, varieties, Medicago

Scorzonera hispanica, pathology, leafspot, Alternaria scorzonerae 8018. Scrapie agent, purification, density gradients centrifugation 4985.

Screening projects,
Ascochyta rablei blight, Cicer arietinum 3787.
Ascochyta rablei blight disease resistance, Cicer arietinum 3863.
blackleg disease resistance, solanum tuberosum 5483.
disease resistance, genetic analysis, Lycopersicon esculentum, speck, Pseudomonas syringae py tomato 5482.
disease resistance plant breeding, Prunus persica, inoculation methodology,
Cytospora leucostoma 5487.
Scytallidium acidophilum,
rutrient sources. Shaprarum hydrohysates, signle-cell protein, production, 7879.

nutrient sources, Sphagnum, hydrolysates, single-cell protein, production 7879. Scytalone, biosynthesis, Phialaphora lagerbergii, acetic acid radioactive labelling 7785.

See water, bacteria biodegradation oil, continuous culture 1893.

Sea water, (continued)
media (culture), marine bacteria, biodegradation, putrescine, cadaverine 3676.
nitrification, filters, aquaculture 1688.
oil dispersants biodegradation, aquatic bacteria 1876.
sunlight, inactivation, Escherichia colii, phages 2402.

centood, Crassostrea virginica, spoilage, aerobic bacteria, anaerobic bacteria, pasteurization, packaging, cold storage, shell life 8720. food consumption, hepatitis A outbreaks, man 3691. food contamination, yeasts 5343. food contamination, yeasts, proteolytic enzymes, lipolysis 5340. food poisoning, botulism 4486.

isolation, gram-negative bacteria, psychrophilic bacteria, Melanogrammus aeglefinus 8703.

aegeminus 87/03.
Pisces, food contamination, yeasts 8712.
Scombridae, spoilage, smoke preservation 8718.
Vibrio parahaemolyticus isolation, growth optimization 194.
Seasonal variations,

chloroplasts ultrastructure, Abutilon, plant diseases, abutilon mosaic virus 4541.

drinking water contamination. Aeromonas hydrophila, clinical isolates correlation

8414.
nitrogen fixation, Frankia, symbiosis, Ainus nepalensis 6320.
nitrogenase activity, Frankia, nodules, Myrica gale 4607.
nitrogenase activity, Oryza sativa roots 5674.
nitzoglane microorganisms, Fusarium, Egypt 6335.
rotavirus levels, sewage 4897.
Vibrio cholerae enumeration, coastal waters, USA, California 6715.

effects on Septoria nodorum sporulation, Triticum aestivum 5432.

Seawater, detection, rotavirus (simian) SA11, adsorption, methodology 4954.

detection, rotavirus (simian) SA11, adsorption, methodology 4954.
Secale cereale,
fungi 1-2 toxin, H1-2 toxin, liquid ohromatography assays 3739.
leaves cutture, cuttivars effects on Puccinia graminis 1.sp.tritici 1991.
patch, Rhizoctonia solani, surveys, soils (calcareous) 255.
plant breeding, inheritance, disease resistance, leaf trust, Puccinia recondita
1.sp.tritici Puccinia recondita 1.sp.secalis 8907.
plant breeding, selection, disease resistance, powdery mildew, sporulation,
measuring techniques 2827.
Puccinia graminis 1.sp.secalis races virulence. North America 265.
X Triticum, leaves, stomata stize distribution, Puccinia recondita rust
incidence 7955.

3,4-Secolupane, derivatives, preparation, antibacterial activity 4739 derivatives Secophems.

synthesis Secretions,

nasopharynx, detection, respiratory syncytial virus, use, immunoperoxidase test, man 3234.

man 3234.

Sectoring,
Septona nodorum, Hordeum vulgare isolates, role, pathogenicity, temperature effects on 1994.

Sedimentation,
activated sludge, methanogenesis, methanogenic bacteria 3203.
aminoacy-HRNA synthetase, yeasts 1801.
flocculation, bulking, mathematical models, activated sludge 6687.
waste treatment, equipment, agitation, yeasts 5848.

Sediments,
aduatic environment wastewater treatment, hacteris hindegradation.

bacteria 8470.
parine environment, indicator species, isolation, Streptococcus, incubation

temperature 8422.
microorganisms, analysis, cooling towers 561.
microorganisms, analysis, experiments, and the second of the secon

eed germination, Glycine max, Rhizoblum japonicum growth, fungi pathogens, pesticides effects on 1212.

1212. stimulation, Agrobacterium radiobacter, extracellular polymers, polysaccharides, seed treatments, Lycopersicon esculentum 6309. Triticum aestivum, seed-borne fungi, metabolites, effects on 8798.

Seed rot,
Botryodiplodia theobromae, Lagenaria seceraria, Cucuribita pepo 2032.
Pythium, Pisum sativum, biological control, use, Trichoderma 2779.
Pythium ultimum, biological control, Penicillium oxalicum, seed treatments, Cicer arietinum 8114.

Discrepancy of the control of

Allicution 114, Rhizoctonia bataticola, Cicer arietinum, phenols levels 1975. Rhizoctonia bataticola infection screening, Cicer arietinum 1980. Vigna radiata, Phoma exigua, pectinolytic enzymes, production 3797.

Seed treatments, benomyl, tiabendazol, Zea mays 2094. biological control, Pythium ultımum, damping-off, roots growth stimulation, Beta

biological control, Pythium ultimum, damping-off, roots growth stimulation, Beta vulgaris 2991.

captan, benomyl, fungl, disease control, Zea mays 2093.

captan, carbendazim, seed-borne diseases, Vigna acontifolia 8143.

carboturan, Rhizobium inoculation, nodulation, Glycine max 2990.

disease control, damping-off, downy mildew, Brassica 8141.

Festuca arundinacea, Acremonium coenophialum infection, fungicides, disease control 1227.

Festuca arundinacea, disease control, Epichloe typhina infection 8119, fungicides, disease control, leaf rust, stripe rust, triticum aestivum 2904

ed treatments, (continued)
fungicides, effects on, black point, Alternaria alternata, Triticale 8930,
fungicides, effects on nodulation, nitrogen fixation, inoculation, Bradyrhizobium
japonicum, Glycine max 8998
fungicides, prophylaxis, Marssonina brunnea infection, Populus dettoides 2112.
fungicides, seed-borne diseases, Pinus wallichiana 8177.
fungicides, seed-borne diseases, Shorea robusta 8178.
Glycine max, Arachis hypogaea, fungicides 1229.
fungicides, seed-borne diseases, Shorea robusta 8178.
dlycine max, Arachis hypogaea, fungicides 1229.
fungicides, seed-borne diseases, Shorea robusta 8178.

2095.
Insecticides, chemical control, fungicides, Hordeum, Rhopalosiphum maidis 6317.
Lobelia erinus, steam, disease control, Alternaria tenuis 2062.
mancozet, seed-borne diseases, Cosmos 8142.
metalaxyl, efostte-Al, disease control, downy mildew, Peronosclerospora sorghi, Sorghum bicolor, Zea mays 8144.
Penicilium oxalicum, biological control, Pythium ultimum, damping-off, seed rot, Citer areitrum 8114.

Pseudomonas fluorescens, biological control, Gaeumannomyces graminis var.tritici,

Pseudomonas siriata, phosphate fertilizer applications efficiency, Lens culinaris

streptomycin+erythromycin+benomyl, stimulation, Bradyrhizobium japonicum, mizosphere colonization, Glycine max 9017.
https://doi.org/10.1007/j.mercuric chloride, seed-borne diseases, Pinus roxburghii 8176.
X radiation, Colletotrichum corchorum, disease resistance, Corchorus capsularis

X radiation, Colletotrichum corchorum, disease resistance, Corchorus capsularis 2905.

Seed-borne diseases,
Ascochyta fabae, Vicia faba 7136.
Ascochyta rabiei blight, Cicer arietinum, disease control, reviews 3905.
Ascochyta rabiei disease transmission, Cicer arietinum, seedlings, disease control, benomyl, thiabendazole 1969.
disease transmission, bobacco streak wirus, Fragaria vesca 6267.
Fusarium moniliforme, colonization, Zea mays, irrigation effects on 7947.
Phomopsis, seeds infection, harvesting dates effects on, Glycine max 8778.
seed treatments, captan, carbendazim, Vigna acontifolia 8143.
seed treatments, fungicides, Shorea robusta 8179.
seed treatments, manoczeb, Cosmos 8142.
seed treatments, the seed freatments, Pinus wallichiana 8177.
Septotia nodorum, seeds infection, Triticum aestivum 2793.
transmission (seed), brome mosaic virus, detection, immunodiffusion, enzyme-linked immunosorbent assay, immunoelectroblotting, seeds, Triticum aestivum 8787.
transmission (seed), blymella bryoniae, Cucurbitaceae 8036.

transmission (seed), Didymella bryoniae, Cucurbitaceae 8036.

seed-borne diseases, seed treatments, fungicides, Shorea robusta 8178. seed-borne diseases, seed treatments, mancozeb, seed-borne fungi 8142. seed-borne diseases, seed treatments, thiram, ethylmercuric chloride, Pinus roxburghii 8176.

Seedlings,

isediling.

Abies fraseri, ectomycorrhizas, metalaxyl effects on growth 1234.

Abies fraseri, survival, overwintering, Phytophthora cinnamomi 1235.

Acacia deabtat, nodules, nitrogen tixation, Rhizobium 2906.

Beta vulgaris, Phoma betae infaction, disease control 8851.

Betula pendula, colonization, ectomycorrhizas, spreading, Betula pubescens 5558.

Cicer anehnum, disease transmission, Asocochyta rabiel, disease control, benomyl, thiabendazole 1969.

Citrus, Alternaria tenuis albinism, disease control, fungicides 1219.

Citrus aurantium, Poncirus trifoliata × Citrus sinensis, symbiosis, Glomus intraradices, photosynthates distribution association 8219.

cold storage, Basdidmycetes infection, Picea abies 8175.

colonization, ectomycorrhizas, Pisalithus tinctorius, soil, mines, Pinus 8931.

colonization roots, ectomycorrhizas, culture systems, Pinus 7637.

Coniferales, ectomycorrhizas formation, high-altitude environments, mines 5547.

5581 Cucumis sativus, scab, Cladosporium cucumerinum, pathogenesis, role, proteinase

downy mildew, Peronospora parasitica, turnip mosaic virus disease resistance, genetic analysis, Brassica campestris 2655. ectomycorrhizas inoculation, roots colonization, succession, spatial distribution, soil, Betula 5556.

distribution, soii, Bertia 5050.
ectomycorritizas inoculation, survival, transplantation, Pinus caribaea 5569.
endomycorrhizas, ectomycorrhizas, Quercus imbricaria 5564.
Eucalyptus grandis, stem canker, Cylindrocaldium scoparium, disease control 6324.
Fraxinus americana, growth, vesicular-arbuscular mycorrhizas inoculation effects

growth, Glomus mosseae inoculation stimulation, Malus domestica 3942

grown, siomus mosseae inoculation, stimulation, maius odmestica 3942.
growth, stimulation, colonization, soil microorganisms, Hordeum vulgare 3936.
growth stimulation, ectomycorrhizas inoculation, Picea sitchensis 5565.
immersion, water temperature, effects on roots colonization, ectomycorrhizas,
disease control, Phytophthora cinnamomi, Pinus radiata 7219.
inoculation, ectomycorrhizas, Pisolithus tinctorius, stimulation, roots growth,
Pinus taeda 3908.

Finus idedia systis.
inoculation, vesiculair-arbuscular mycorrhizas+Azotobacter chroococcum, nitrogen fixation, yield, Lactuca sativa 6375.
Macrozamia communis, nodulation, symbionts 2907.
Medicago sativa, tungi diseases, greenhouses, USA, California 1115.
nodulation, actinomizas, propagation, inoculation, seedlings. Alnus crispa

Oryza sativa, disease resistance, Drechslera sorokiniana inoculation 7201.
Oryza sativa, Helminthosporium oryzae brown spot, disease control, phytoalexins inducers 3887.

inducers 3887. Phytophthora cactorum crown rot, biological control, Bacillus subtilis antagonism, Malus pumila 7212. Pioaa sitchensis, inoculation, Thelephora terrestris, silviculture 345. Pinus banksiana, inoculation, myeelia, ectomycorrhizas 7227. Pinus banksiana, inoculation, myeelia, ectomycorrhizas 7228. Pinus carbaea var.hondurensis, Ganoderma lucidum inoculation, pathogenicity

## Seedlings, (continued) 3922.

Pinus echinata, Cronartium quercuum f.sp.fusiforme infection susceptibility 5591 Pinus elilottii var.elilottii, stems lesions, fusiform rust, Cronartium quercuum \_f.sp.fusiforme 7234.

Pinus ponderosa, geographical variations, susceptibility, rust, Endocronartium harknessii 8945.

Pinus sylvestris, ectomycorrhizas, inhibition, non-target organisms, mancozeb, paraquat 5570.

Pisolithus tinctorius inoculation, nutrient uptake, phosphorus, nitrate, Quercus

Pisum sativum, population dynamics, Rhizobium leguminosarum 8233.
plant breeding, growth, Sphaerotheca pannosa powdery mildew disease resistance,
Rosa multiflora 8904.

planting, inhibition ectomycorrhizas, Picea sitchensis 5566.
plantis, inflection, Phizoctonia solani, Pithium debaryanum, disease control, cyanarmde 3866.
Pseudotsuga menziesii, silviculture, root rot, Phytophthora, disease control, metalaxyl 8927.

Pseudotsuga menziesii, Thuja plicata, mycorrhizas growth, forests litter effects on 5546.

on 53-40.

Shorea, ectomycorrhizas, Malaysia 7230.

Solanum tuberosum, plant viruses, maintenance, symptoms, distribution 8865.

Sorghum, nitrogen cycle measurements, free-living bacteria 8967.

survival, Coniferales roots, Pisolithus tinctorius spores inoculation 5607.

Triticum aestivum, disease resistance plant breeding screening pro-mosaic virus 4574.

mosaic virus 45/4.

Triticum aestivum, glume blotch, Septoria nodorum, factors affecting 7149.

Triticum aestivum, leaves, Fusarium roseum inoculation, pathogenicity 7151.

Triticum aestivum, linkage analysis, Puccinia rust 258.

Triticum aestivum, seed-borne lungi, metabolites, effects on 8798.

Triticum aestivum, Septoria nodorum glume blotch, disease resistance components

302.

Vigna unguiculata, mixed infection, Fusarium oxysporum+sunnhemp mosaic virus, nutrition effects on pathogenesis 6234.

Zea mays, endosperm, multants, Fusarium moniliforme, infection, effects on 3804.

Arachis hypogaea, Aspergillus flavus colonization, disease resistance, cultivars comparison 7086. Bradyrhizobium japonicum Inoculation, planting, nodulation, Glycine max 6352. Brassica, isolation, Xanthomonas campestris pv.campestris, media (selective)

41939. Appendix partial par llus restrictus, enzymes, production, association, water

Daducts Carolia, Alternatia dadic persisteria illiection, fungicioes, antifungal activity 1226. dispersal, survival, damping-off, Platypodium elegans 1240. Eleusine coracana, isolation, Drechslera pluriseptata, taxonomy, morphology 8048. Fusarium moniliforme infection, disease resistance, plant breeding, Zea mays

8074.

(Blycine max, extracts effects on, Saccharomyces cerevisiae cell culture 5089.

Glycine max, tungal flora, detection, pH, water 289.

Glycine max, Filizobium japonicum pelleting, Saudi Arabia 2953.

Glycine max, seed germination, Rhizobium japonicum growth, fungi pathogens, pesticides effects on 1212.

Gossypium hirsutum, aflatoxins 1932.

Gossypium hirsutum, meals, food contamination, aflatoxins, detoxification methodology 7081.

Helianthus annus mycoflora, aflatoxins detection, Argentina 7061.

Helianthus annuus, mycoflora, aflatoxins detection, Argentina 7061

Helianthus annuus, survival, macrophomina phaseolina, pathology 8026. Helianthus annuus, survival, macrophomina phaseolina, pathology 8026. September 1998. September 1998. Infection, Curvularia, Alternaria alternata, Cosmos 8829. Infection, Septoria nodorum, seed-borne diseases. Trificum aestivum 2793. Lepidum sativum, Pythium ultimum damping-off, biological control. Pythium oligandrum 974

oligandrum 974. Medicago sativa, germination, Rhizobium meliloti growth, Verticillium wilt, fungicides effects on 1211. increase and provided selection, pathology, conferences, books 3398. nitrogen-15 translocation, leaves, Bradyrhizobium japonicum nitrogen fixation inhibition, Glycime max 6370.

olls, Annona squamosa, Azadirachta indica, vectors, rice tungro virus, pest control, Nephotettix virescens, Oryza sativa 6299.
oils, Butea monosperma, antimicrobial activity, phytopathogenic fungi, bacteria

4782.
dis, effects on Aspergillus parasiticus aflatoxins biosynthesis 3747.
olis, effects on Aspergillus parasiticus aflatoxins biosynthesis 3747.
olis, extraction, proteolytic enzymes, Bacillus subtilis, Brassica napus, Glycine max 3494.

peanut mottle vrus infection, enzyme-linked immunosorbent assay screening, transmission (seed), Arachis hypogaea 8769. Phaseolus vulgaris, Cerospora canescens, seed-borne fungi, detection methodology

1676

Phomopsis infection, harvesting dates effects on, seed-borne diseases, Glycine

max 8778.

protein composition, Glycine max, Bradyntizobium japonicum strains inoculum, nitrogen fixation, nodulation 8247.

seed-borne diseases, transmission (seed), brome mosaic virus, detection.

immunodiffusion, enzyme-linked immunosorbent assay, immunoelectroblotting, Trificum eastwum 8787. — Trificum eastwum 18787. — Sesamum indium, fungi, pathology 8837. Trificium pratense, infaction, Soforothina trifoliorum sclerotia 7132. Trificium vesiculosum, toxicity, Phizoblum leguminosarum var.trifolii survival

yield, Bradyrhizobium japonicum inoculation effects on, genetic variance,

yield, Bradyrhizobium japonicum inoculation effects on, genetic variance, inheritance, Glycine max 5660.

yields, Lolium perenne, fungicides applications, disease control 8108.

Zea mays, detection, Peronosclerospora sorghi, oospores 7964.

Zea mays, flungi infection, climatic conditions 1992.

Zea mays, Gibberella zeae, Nigrospora oryzae, symptomless infection, role, Pythium debaryarum infection 8792.

Zea mays hybrids, Aspergilius flavus growth, aflatoxns biosynthesis 8083.

Zea mays, levels, fusicoccin, infection, Fusicoccum amygdali 8740.

Selridum cardinale, canker, disease resistance, plant breeding, Cypressus sempervirens 2870

Selenadiazolyl-phenylhydrazones, antibacterial activity, antifungal activity 1321.

ambacterial activity, artifutingal activity 1521.

Selenazofutin, ribavirin, antiviral activity 9116.

synergism, ribavirin, tiazofurin, antiviral activity, togavirus, bunyavirus, arenavirus 9117.

Selenium,

containing amino acids, L-methionine γ-lyase synthesis, Pseudomonas putida

volatilization, soil microorganisms 7261.

soil pollution, effects on soil microorganisms biodegradation glucose, calorimetry 2933.

caronnery 2953.
Selenomonae ruminantium,
growth, fermentation, chetomin, effects on 2315.
Self-purification,
soil pollution, biodegradation, soil microorganisms 4633.
Seliberie,

reactors, cutting fluids biodegradation, bacteria identification 178.

Semen, antibacterial activity 7361. cattle, isolation, Mycoplasma, Ureaplasma, antibiotic sensitivity testing 7473. Semiarld environments, ecological evaluation, vesicular-arbuscular mycorrhizas, USA, California 8222. tropical environment, urease, soil microorganisms, soil temperature, soil moisture effects on 8239. Semiliki Forest virus, antiviral activity, interferon, cell culture 7389. antiviral activity, tetrahydro-2(1H)-pyrimidinone derivatives, structure-activity relationships 8321.

Sendal virus, antiviral activity, cell culture, herbal medicines, Alternanthera philoxeroides

envelopes, use gene transfer carriers, mammalian cells 630. proteins, purification, high-performance liquid chromatography, use vaccines 6649.

Seneacence, Hordeum vulgare, effects on take-all, Gaeumannomyces graminis var.tritici 7954.

Hordeum vulgare, effects on utage en, caston dioxide, dissolved oxygen, monitoring, fermentation 6114. electrodes, biotechnology 6732. ethanol levels, fermentation, computer applications 3635. ethanol monitoring, fermentation, Saccharomyces cerevisiae 4419. fermentation, glucose, sucrose, fructose 3530. gases, electrodes, measuring techniques, Saccharomyces cerevisiae ethanol production 1868. ethanol production 1868. ethanol production 1868.

Sepsis, experimental infection, oxytocin antibiotic synergism, antibacterial activity, clinical trials 6585.

Septic tanks, effluents, disinfection, heal+hydrogen peroxide 9243.

Septicanks, effluents, disinfection, heal+hydrogen peroxide 9243.

Septicanks, detection, liquid culture methodology, man 2466, diagnosis, blood culture, Gram stain, subculture, acridine orange staining 3342.

Septiculation elegantulum, leafspot, Eichhornia crassipes 8818.

leafspot, Eichhornia crassipes 8818.

Settoria,
disease resistance plant breeding, Vigna unguiculata 8898.
disease resistance plant breeding, Vigna unguiculata 8898.
disease resistance plant breeding, Vigna unguiculata 8898.
Septoria educurbitacearum,
leafspot, Cucurbita pepo, new records, British Isles 5452.
Septoria elaeagni,
leafspot, Elaeagnus angustifolia, epidemiology, etiology 7989.
Septoria nodorum,
blotch, Triticum aestivum, incidence, USA, Michigan 5419.
disease resistance, Triticum 1197.
glume blotch, disease resistance components, Triticum aestivum seedlings 302.
glume blotch, disease resistance plant breeding, Triticum aestivum 2833.
glume blotch, disease resistance, plant breeding, Triticum aestivum 2833.
glume blotch, disease resistance, plant breeding, Triticum aestivum 2833.
glume blotch, triticum aestivum seedlings, factors affecting 7149.
Hordeum vulgare isolates, sectoring, role, pathogenicity, temperature effects on 1994.

infection, Triticum aestivum, Aphididae, honeydew, enhancement 3806. infection, Triticum aestivum, yield 7948. seeds infection, seed-borne diseases, Triticum aestivum 2793. sporulation, growth stage, seasons, temperature effects on, Triticum aestivum

virulence, Hordeum vulgare, Triticum aestivum 7148. Septoria apraguel,

plant diseases, incidence, Elymus junceus, host range 1134.

plant diseases, incidence, Etymus junceus, nost range 1134.

Septoris trittici,
blotch, Triticum estivum, incidence, USA, Michigan 5419,
leaf blotch, pathogenesis, Triticum germplasm analysis 257.
leaf blotch, Triticum aestivum, disease control, use, antitranspirants 291.
Septoria viginicola,
leafspot, pathogenesis, Vigna sinensis, role, relative humidity 8779.

Series, subtilisin active sites, tryptophan residues distance, fluorescence, residues, subtilisin active sites, tryptophan residues distance, fluorescence,

D-Serine, biosynthesis enhancement, L-serine analogues resistant mutant 1705.

D-Serine dehydratase,
biosynthesis, Escherichia coli 3504.

biosymnesis, Escenterina coil 3504.

Serine proteinase,
active sites flanking regions, amino acid sequence, Bacillus thuringiensis
comparison Bacillus cereus 5153.
interaction oxyimino-cephalosporins, structure-activity relationships,
Streptomyces 6832.
proteinase inhibitor complex, X-ray crystallography, Streptomyces griseus 20.

Serine proteinase, (continued)
purification, characterization, cell membranes, Bacillus subtilis 1783.
Streptomyces rutgersensis, pheny/methylsulfonyl fluoride dyflos inhibition 2584.
Serological fests,
Aspergillus fumigatus antibodies detection 5930.
comparison, rubella, seroepidemiology, surveys, man 4978.
vaccines, standardization, chickens 5036.

comparison, rubella, seroepidemiology, surveys, man 4976.
vaccines, standardization, chickens 5036.

Serotyping,
agglutination, Phadebact test, Haemophilus Influenzae 5066.
Agrobacterium tumefaciens, crown gail, rootstocks, Malius pumila 270.
antibiotic sensitivity testing, clinical isolates, Streptococcus pneumoniae 9153.
antibigen O, latex agglutination, Klebsiella 9320.
Campylobacter fetus subsp.jejuni, lurerscent antibody test, comparison, passive hemagglutination 3293.
Campylobacter fetus subsp.jejuni, methodology 762.
Campylobacter fetus subsp.jejuni, methodology, agglutination, 725.
Enterbacter cloacae, use, blood group O, antigens 3298.
Escherichia coli, enterotoxins detection methodology, Vero cells 3345.
Haemophilus pleuropneumoriae, animal isolates, use, agglutination 2516.
herpes simplex virus, immunofluorescence, comparison, monoclonal antibodies, 2-bromovinyl-2-deoxyurdine, sensitivity, methodology 655.
herpes simplex virus, monoclonal antibodies 601.
infectious bronchitis virus, hemagglutination inhibition 9280.
Klebsiella, epidemiology, antibiotic resistance 445.
Legjionella pneumophila, use, monoclonal antibodies, man 482.
rotavirus, immunoelectron microscopy 4986.

man 482.
rotavirus, immunoelectron microscopy 4986.
Salmonella, automated methods 2506.
Salmonella, contamination, sewage sludge, Larus ribibundus feeding association,
excretion relationship 9245.

Staphylococcus aureus, enterotoxins production, phage typing, clinics, foods 4479. 5treptococcus agalactiae, methodology 9322.
Streptococcus pneumoniae, use, agglutination, comparison, counter immunoelectrophoresis 3312.

Ureaplasma urealyticum, methodology 733.

Serpentes. bacteria, animal isolates, in vitro, in vivo, antibacterial activity, ceftazidime 5766.

Serpula lacrymans, dry rot, biodeterioration, wood, Switzerland 1247.

dry rot, biodeterioration, wood, Switzerland 1247.

Serratia,
dry rot, biodeterioration, wood, Switzerland 1247.

Serratia,
clinical solates, antibacterial activity, bactericidal activity, dibekacin,
gentamicin, botamycin 6540.

- lactam antibiotics antibiotic resistance, β-lactamase role 438.

levels, grain dust, gram-negative bacteria 7109.

media (isolation), fresh water 7536.

serratia marcescens,
antibacterial activity, attribiotic K-4619 7479.

antibacterial activity, aztreonam, antibiotic synergism 6504.

antibacterial activity, mezlocillin, piperacillin, azlocillin 7431.

antibacterial activity, with 49375 9911.

antibiotic resistance, moxalactam, β-lactamase, membrane permeability,
penicillin-binding protein 3038.

antibiotic resistance, plasmids analysis 4000.

antibiotic sensitivity testing, ampicillin, amoxycillin 2198.

antibiotic synergism antibacterial activity, β-lactam antibiotics+amikacin
1391.

bactericidal activity, bactericides, hemocoel body fluids, Glycera dibranchiata

carbenicillin, antibiotic resistance 447.
clinical isolates, antibiotic resistance, cross-resistance, cefotaxime, amikacin

4687

4687.

(Inical isolates, azlocillin antibiotic resistance 5715.

clinical isolates, norfloxacin, antibacterial activity 4752.

conjugation, plasmids, antibiotic resistance, Klebsiella pneumoniae 4716.

histdine biosynthesis, stabilization mechanisms 5971.

identification methodology, agglutination use 1640.

immobilized cells, electrodes, asparaginase, detection 6777.

β-lactamase, biosynthesis, inducers, correlation, penicillins, antibacterial activity 2261.

activity 2251.
manidomycin conversion, antibacterial activity 3161.
norfloxacin drug sensitivity testing 9095.
pathogens, toxicity, biological control, Solenopsis richteri, Solenopsis invicta
5257.

prodigiosin biosynthesis, polymyxin B effects on 1404.
proteinase, purification, characterization 8519.
proteinase, purification, characterization, clinical isolates 1779.
rhizoplane microorganisms, phosphorus, nitrogen, effects on, association Gramineae 6334. serum bactericidal activity, aztreonam, ± cefoperazone, ± amikacin 8344.

Serum,

erum, antibodies, enterovirus, detection, radioimmunoassay 8448.
α antigen detection, enzyme-linked immunosorbent assay methodology, man 8456 assays, Staphylococcus aureus, bactericidal activity, nafcillin, tobramycin, gentamicin, treatment, rabbits 478.
azlocillin, high-pressure ilquid chromatography 509.
ceftazidime, high-pressure ilquid chromatography 500.
Clostridium teatin aintitoxins detection, enzyme-linked immunosorbent assay, neutralization, man 4488.

neutralization, man 4488.

delection, mycotoxins, use, antibodies, reviews 7082.

delection, varicolia-zoster virus antibodies, use, anti complement
immunofluorescence, man 1586:
enterovirus detection, enzyme-linkad immunosorbent assay methodology, man 5010
herpes simplex virus sercepidermology, man, enzyme immunossay 614.
herpesvirus (equine) 1 defection, neutralization, hemaggiutination inhibition,
hemolysis, horses 606.
Japanese encephalitis virus, immunoglobulin M, immunoglobulin G, enzyme-linked
immunosorbent assay, experimental infection, pigs 5011.
Laticti acid analysis, use factate 2-monoxygenase immobilization 7748.
man, Haemophilus influenzae b polyribose priosphate antigens detection,
aggiutination tests 1584.
man, rubella virus antibodies detection, latex aggiutination methodology 1539.

```
Serum, (continued)
neitlimicn, immunoassays 530.
pigs, Brucella abortus antibodies detection, enzyme-linked immunosorbent assay
methodology 5063.
                                                                                                                                                                                                                                                                                                                   Sewage sludge, (continued)
                                                                                                                                                                                                                                                                                                                         owage studys, composting 3199.

$ Solid wastes, composting 3199.

$ Spirulina maxima blomass, digestion (anaerobic), methanogenesis 1293. thermophile bacteria diversity, thermodynamics association 546. viruses microbial pollution, land disposal, reviews 2335.

waste treatment, thermophic microorogramsm 1465.
         meunodology suco.
Streptococcus group B antibodies, enzyme-linked immunosorbent assay methodology, man 3259.
  tests, foliuldine red, diagnosis, syphilis, man 2511.

sancomycin, high-pressure liquid chromatography 8366.

Sarum bactericidal activity,
antibiotic sensitivity testing, Staphylococcus aureus, media comparison,
infection, man 4788.
                                                                                                                                                                                                                                                                                                                           waste treatment, carbon (activated), assays, biomass suspended matter 2379
                                                                                                                                                                                                                                                                                                                  Sewage treatment, 266, activated studge, kinetics, mathematical models 2381, activated studge, kinetics, mathematical models 2381, acration column, bacteria media (culture), oxygen adsorption rates 3291, bacteria, writi
  arteonam, near 4700. articolar articolar articolar articolar, cefoperazone, amikacin, Escherichia coli, Klebsiella pneumoniae, Serratia marcescens, Pseudomonas aeruginosa 8344. Vibrio cholerae, measuring techniques, bioluminescence 489. Serum proteins,
                                                                                                                                                                                                                                                                                                                         bacteria, viruses, public health 2363.
digestini, (anaerobic), mechanisms 3189.
lagoons, heterotrophic bacteria, indicator species, population dynamics 9241.
microorganisms role, books 2540.
microorganisms role, books 2540.
phages, coliforms, indicator species, water pollution 4943.
recreation sites, composting, USA, Vermont 4922.
Subbarromyces splendens, role, percolation filters 1460.
 Serum proteins, binding, antibiotics 8347. binding, utimycin, cattle 7474. 
Seamum Indium, seeds, fungi, pathology 8837. 
Seabania rontarta, nodules calluses, Rhizobium infection, pathogenesis 3798. 
Seabania serices, disease reservoirs, host alternation, rust, Phakopsora pachyrhizi 7940. 
Seaguiterprenes, antifungal activity, Microsporum cookei, Trichophyton mentagrophytes, Fusarium 8317. 
Plant extracts: antifungal activity, Microsporum cookei, Trichophyton mentagrophytes, Fusarium 8317.
                                                                                                                                                                                                                                                                                                                   use microorganisms, reviews, books 5093
Sexual reproduction,
                                                                                                                                                                                                                                                                                                                  Bremia lactucae, virulence genes, recombination, linkage, host-pathogen miteractions, disease resistance genes, Lactuca sativa 2840. Sclerospora graminicola, sitairis compatibility, geographical variations, downy mildew. Pennisetum americanum 7973.

Sexually-transmitted diseases,
         plant extracts, antibacterial activity, structure-activity relationships, gram-negative bacteria, gram-positive bacteria 6446. terrecyclic acid A, biosynthesis, Aspergillus terreus 7475.
                                                                                                                                                                                                                                                                                                                          diagnosis, Chlamydia trachomatis isolation, media (transport), swabs, man 5037. Neisseria gonorrhoeae isolates, antibiotic sensitivity testing 5752.
terrecyclic acid A, biosynthesis, Aspergillus terreus 7475.

Sewage,
bacteria isolates, antibiotic resistance, chlorination effects on 6437.
contamination water, Salmonella isolation, media (enrichment) methodology 9259.
enterovirus, inactivation, role, ozone 4928.
indicator species, Clostridium perfringens spores, spatial distribution,
sediments, lakes 2388.
land disposal, association, pollution, wastewater treatment 8400.
phages enumeration methodology 8420.
rotavirus levels, seasonal variations 4897.
transport, survival, poliovirus 1, ECHOvirus 1 5828.
water isolates, bacteria, biodegradation, isopropyl N-phenylcarbamate, 2,4-D
6945.
water pollution, streams biodegradation, aeration, water treatment 8410.
                                                                                                                                                                                                                                                                                                                   Seychelles,
                                                                                                                                                                                                                                                                                                                   plant diseases geographical distribution, pathogens host range 5398 Shading,
                                                                                                                                                                                                                                                                                                                          Cercospora coffeicola, eyespot, anthracnose, plantations, Coffea arabica 273. seasonal variations, Cercospora coffeicola, eyespot, anthracnose, plantations
                                                                                                                                                                                                                                                                                                                                 273
                                                                                                                                                                                                                                                                                                                   Shake culture
                                                                                                                                                                                                                                                                                                                           Penicillium cyclopium, glass containers silicone coatings effects on adherence
                                                                                                                                                                                                                                                                                                                           Streptomyces albus, glucosephosphate isomerase biosynthesis 3520.
                                                                                                                                                                                                                                                                                                                  Shalas industrial effluents, bacteria survival 4135
                                                                                                                                                                                                                                                                                                                          oli recovery, veiws, hydrocarbon-degrading bacteria 8286.

heath blight,

Rhizoctonia solani, disease control, benzyloxypyridazines, Oryza sativa 5534.

Rhizoctonia solani, disease control, dapiramicin A, dapiramicin B, Oryza sativa 4863.
  water pollution, streams biodegradation, aeration, water treatment 8410. 

Sewage effluents, disinfection 1500. 

disinfection 1500. 

ions effects on poliovirus adsorption, soil 4934. 

microbial pollution, indicator species, hydrology, estuaries 6710. 

peracetic acid disinfection, enterovirus, rotavirus, phages 6695. 

poliovirus 1, chlorine, synergism, chlorine dioxide, ozone, peracetic acid, 

poliovirus 1 6694. 

Salmoneilla typhi isolation, swabs 6717. 

water quality tim isos 2019.
                                                                                                                                                                                                                                                                                                                          Rhizoctonia solani, disease resistance, Oryza sativa 7147.
Rhizoctonia solani, interaction, Nilaparvata lugens, infection, Oryza sativa, vaneties 8789.
                                                                                                                                                                                                                                                                                                                          Sclerotium rolfsii, Gloeocerospora sorghi, pathology, Sorghum bicolor 4518.
                                                                                                                                                                                                                                                                                                                   Bacteroides nodosus pili vaccines, purification, characterization, immunogenicity 3185.
  Samoneiia typrii isolauori, swais 6717.
water quality, viruses 9254.
Sewage outfalle,
microbial pollution, indicator species, coastal waters 6711.
Streptococcus group D enumeration, identification, antibiotic susceptibility
                                                                                                                                                                                                                                                                                                                         3185.

Brucella ovis antibodies, complement fixation comparison enzyme-linked immunosorbent assay, detection 4204, cattle, nutritive value, single-cell protein, Saccharomyces cerevisiae, silage preservatives 2747.

Chlamydia infection, agglutnation immunodiagnosis 2504. feces isolates, Escherichia coli antibiotic resistance 7321.

Pasteurella haemolytica+Clostridium vaccines, efficacy, experimental infection, giotobiotics (specific pathogen free) 7488.

slurries, feeds, contamination, Staphylococcus, coliforms, Salmonella 7018. straw digestibility, silage, urea treatment 1067.

wool, Pseudomonas isolation, proteinase, electrophoretic mobility 1753. helf Ilfe.
   testing 2256.

Sawage sludge,
acetic acid, digestion (anaerobic), methanogenesis, inhibition,
2-bromoethanesulfonate 7524.
          anaerobic bacteria isolates, aromatic compounds biodegradation, dehalogenation
                 pathways 2701
        pathways 2701. applications, soil, hydrocarbons, biodegradation, microorganisms, role 4686. bacteria, biodegradation, digestion (anaerobic), measuring techniques 4438. bulking, filamentous microorganisms, activated sludge 2343. chlorophenol, biodegradation, bacteria 2703. composting 4098. composting 5833. composting 5834. composting 5834.
                                                                                                                                                                                                                                                                                                                   wool, Ps
Shelf life,
                                                                                                                                                                                                                                                                                                                          dairy products, β-D-glucosidase activity effects on, Pseudomonas fluorescens 6197.
                                                                                                                                                                                                                                                                                                                         niik, coliforms spoilage, organoleptic evaluation, off flavor 4448. milk, pasteurization, refrigeration, proteolytic enzymes, bacteria spoilage 6175. pasteurization, packaging, oolid storage, seafood, Crassosteria virginica 6720. poultry, meat products, spoilage, psychrotrophic bacteria, temperature 6972. predictions, bacteria spoilage, refrigeration, milk 6174.
         composting 9834;
composting, aeration 5832.
composting, aeration, bulking agents, tires 4082.
composting, anaerobic conditions, methanogenesis 4102.
composting, Apeqilis Irunigatus air spora recovery 3213.
composting, Apeqilis Projection (1997).
     composting, Aspergillus furnigatus air spora recovery 3213. composting, books 5900. composting, developing countries 5835. composting, incroorganisms, succession, temperature, effects on 5819. composting, incroorganisms, succession, temperature, effects on 5819. composting, incroorganisms, succession, temperature, effects on 5819. composting, pathogens inactivation 5839. composting, pathogens inactivation 5839. composting, ponds, nutrient sources, phytoplankton 6689. composting, ponds, putrient sources, phytoplankton 6689. composts, soil amendment, disease control, fungi, crops 5488. composts, soil amendment, disease control, soil amendment 311. crop residues, Oryza sativa, composting, actinomycetes, aerobic bacteria, cellulolytic bacteria 7492. digestion (aerobic), indicator species mortality, temperature 1485. digestion (anaerobic), pathogens, Salmonella, combustion, pollution control 2366. digestion (anaerobic), pathogens, effects on 2352. disinfection, pathogens, effects on 2352. disinfection, pathogens, environmental hygiene 2365. disinfection, conferences, books 2542. disinfection, pathogens, environmental hygiene 2365. disinfection, pathogens, environmental hygiene 2365. disinfection, pathogens, environmental bygiene 2365. disinfection, pathogens, environmental bygiene 2367. feed coliforms reduction, calcium oxide, land disposal 2375. ferifilizer applications, Brassica cautorapa quality, nitrogen cycle 2997. land disposal, public health, pathogens, viruses survival, Atlantic Ocean 9242. feed coliforms reduction, coliforms
                                                                                                                                                                                                                                                                                                                  Shells,
Crassostrea gigas, minerals, bacteria, biodegradation 4439.
                                                                                                                                                                                                                                                                                                                 production, Saccharomyces starter cultures 993.

Shigelia,
antibacterial activity, ciprofloxacin 4744.
antibiotic resistance, R factor, role 6438.
cefmenoxime antibacterial activity, comparison, cefotaxime, moxalactam 1388.
detection methodology, diarrhea, man 5921.
diarrhea, disease control, association, water supplies, sanitation, man 7529.
identification, AutoMicrobic test 1645.
in vitro antibiotic sensitivity testing, nosocomial environment clinical isolates
                                                                                                                                                                                                                                                                                                                         anniponic resistance, H ractor, fole 9438.

Carica papawa plant extracts antibacterial activity 2220.

cotrimoxazole resistance 6425.

drug resistance, virulence, immunogenicity, vaccines 4080.

drug resistance, enzyme-linked immunosorbent assay, thin-layer chromatography
        tradiation, disinfection 551.

7 radiation disinfection coliforms, Pseudomonas, Bacillus 5823.

Salmonella contamination, Larus ribibundus feeding association, excretion relationship, serotyping 9245.

Salmonella isolation, methodology comparison 9231.
                                                                                                                                                                                                                                                                                                                                 5064
                                                                                                                                                                                                                                                                                                                         lipopolysaccharides, oligosaccharides biosynthesis 1834 trimethoprim derivatives, antibacterial activity 1333.
```

Shigella flexneri, (continued) trisaccharides synthesis, antigens fragments 6050.

Shigella sonnei

Shigella sonnei, antibiotic resistance, physicochemical properties, plasmid pKMR 4694. antibiotic resistance, R factor, role 6438. clinical isolates, continoxazole drug resistance 5710. clinical isolates, identification, colicin typing 7612. Inc plasmids, R factors, antibiotic resistance 4691. Salmonella typhi association, vaccines, antigenicity, safety 4890. trimethoprim derivatives, antibacterial activity 1333. Shigellosis, infaction, laboratories, man 2414. Shikmste dehydrocanase.

Shikimate dehydrogenase, purification, Schizosaccharomyces pombe 1800

purification, Schizosaccharomyces pomile 1600.
Shikimate kinase,
purification, Schizosaccharomyces pombe 1800.
Shoot blight,
Botrytis cinerea, fungicides, disease control, Pistacia vera 2896.

Shoots,

noots, culture, gram-negative bacteria, antiblotics decontamination, trees 5762. tissue culture, infected Solanum tuberosum, potato virus X, potato virus S, benomyl effects on 8001. weight, Vigna unguiculata, relationship, nitrogen fixation, genotypes screening association 9000.

Shorea, seedings, ectomycorrhizas, Malaysia 7230.

Shorea robusta, Shorea robusta, seed-borne fungi, s

indigenous species, introduced species, nitrogen fixation, rangelands soil 7271. Sleloglycoproteins, horses erythrocytes, use, latex aggiutination, Epstein-Barr virus Paul-Bunnell antibody delection 1563.

horses erytmocytes, use, native significant antibody detection 1563.

Sida acuta, plant diseases, okra mosaic virus, epidemiology, Nigeria 6262.

Sida micrartha, cytopathology, abuttion mosaic virus 8815.

Sidarophores, amino acid sequence, Pseudomonas 8518.

bacteria, assays, colorimetry, methodology, in vitro 661.
biosynthesis, Vibrio 86 megaterium, copper toxicity 6444.
hydroxamic acid, incidence, soil, Escherichia coli bioassays 675.
Pseudomonas, antagonism, pathogenes, seed treatments, Solanum tuberosum 2831.
Pseudomonas, antagonism, phytopathogenic fungi, Erwinia, rhizosphere, Solanum tuberosum 2830.
requirements, soil, bioassays, Salmonella typhimurium 375.
structure, Pseudomonas aeruginosa 870.

Sigatoka, disease resistance, plant breeding, Musa, Mycosphaerella fijiensis var.difformis 3870.

3970.
Mycosphaerella fijiensis var.difformis, Honduras, Musa paradisiaca 8806.
Sigmoidin A,
Erythrina sigmoidea, antibacterial agents, isolation, new records 1328.
Sigmoidin B,
Erythrina sigmoidea, antibacterial agents, isolation, new records 1328.

Erythma sigmoidea, antibacterial agents, isolation, new reaction.

Sliagas, aminonia pretreatment effects on fermentation, Zea mays 4467. astaxanthin extraction, food processing wastes, Procambarus driving com, biodeterioration, microorganisms, aerobic conditions 5360. com, termentation, ammonia preservation 27744. cop residues, cellulolytic enzymes, microorganisms 213. fermentation, acid production, lactic acid bacteria, Zea mays 7873. fermentation, acid production, water content, time effects on, Medicago 2745. fermentation, aminal wastes, nutritive value, feeds, pigs 7019. fermentation, effects on digestibility, Zea mays, crop residues, cattle 7877. fermentation, lactic acid bacteria 7013. fermentation, place acid bacteria 7013.

5339.
fermentation, mycotoxins biosynthesis, growth, Fusarium roseum, Fusarium tricinctum, Lolium perenne 5389.
incolum, lacitic acid bacteria 7012.
lacite acid bacteria incollation, fermentation, Zea mays 7876.
Lacibbacillus plantarum incollation, whey, crop residues, Gossypium hirsutum

2743.
2743.
malic acid metabolism, lactic acid bacteria 6200.
organic acids, salts, antimicrobial activity, bacteria, fungi 6489.
preservatives, Saccharomyces cerevisiae single-cell protein, nutritive value, cattle, sheep 2747.
production, bacteria, yeasts 5350.
production, fermentation, industrial wastes, fishery products, lactic acid bacteria 2753.

proteolysis 1068. straw digestibility, urea treatment, sheep 1067. zea mays, spoilage, microorganisms, γ radiation prevention 6202.

absorption, Escherichia coli, proteins, concentration, purification, methodology

supports, immobilized cells, ethanol fermentation, cross-flow bioreactors, Saccharomyces cerevisiae 3605.

biogeochemistry, microorganisms, reviews 8207. Silicone,

coatings, glass containers, Penicillium cyclopium shake culture, effects on adherence 835.

adherence 83s.
Silwer,
bioaccumulation, autoratiography, conidia, Botrytis cinerea 8484.
compounds, antimicrobial activity 1357.
extraction, ores oxidation, Thiobacillus ferrooxidans 3001.
pollution, bacteria biodegradation, resistance 3680.
resistance, gram-negative bacilli 9042.
resistance, Pseudomonas stutzeri, mines isolates 4698.
staining, DNA, RNA, viruses, methodology 654.
Silver nitrate,
staining, tumors, crown gall, plants 4534.

Silver scurf,
Helminthosporium solani, conidia production, media (culture), Solanum tuberosum 8491

ilvicuiture, actinorrhizas inoculation, stimulation growth, Alnus 8160. actinorrhizas nitrogen fixation, plantations, Populus nigra× Populus trichocarpa, Alnus glutinosa 8156. ectomycorrhizas, sensitivity, thiram, ferbam 7299. hydroponics, nutrient requirements, actinorrhizas, nitrogen fixation, Alnus incana 8152. incana 8152. incana 8152. representation actinorrhizas, Frankia, Alnus rubra, Cytisus scoparius, Pseudotsuga menziesii 8159. Phytophthora, roof rot, disease control, metalaxyl, seedlings, Pseudotsuga menziesii 927. Picea sitchensis seedlings, inoculation, Thelephora terrestris 345. yield, inoculation, mycorrhizas 1233. illybum marianum,

Silybum marianum, tobacco streak virus isolation, characterization, host range 4565.

Simazine, denitrification inhibitors, denitrifying bacteria, soil 9002. inhibition nitrification, biodegradation, soil microorganisms 3969.

inhibition hitmication, biodegradation, soil microorganisms 3999.

Simullidae,
biological control, Bacillus thuringiensis subsp.israelensis 137.
biological control, efficacy, Bacillus thuringiensis subsp.israelensis, USA,
South Carolina 4391.

biological control, streams, Bacillus thuringiensis subsp.israelensis, USA, New Hampshire 7789.

Simulium damnosum biological control, Bacillus sphaericus virulence 5261.

Simulium goeldli,
larvae, biological control, Bacillus thuringiensis 136.

Simulium ochraceum, biological control, larvae mortality, streams, Bacillus thuringiensis, Mexico 6915.

Simulium ornatum protein composition, phosphatase activity, biological control, Coelomycidium simulii, Pleistophora simulii 2646.

Simulium vittatum, pest control, efficacy, Bacillus thuringiensis, USA, Tennessee 6086. Inapis alba,

stunt Spiroplasma transmission, Euscelidius variegatus vectors 8030. Sindbis virus,

stunt Spiroplasma transmission, Euscelidius variegatus vectors 8030.

Sindbis virus, detection, immunoelectron microscopy methodology, tissue culture 8443. interferon, antiviral activity, cell culture, mice 2226. plaque assay 632.

Single-cell protein, amino acid composition, whey fermentation, yeasts 1722. bacteria, production, bagasse fermentation 1734.
Candida, feeding trials, nutritive value, chickens 5361.
Candida, nutritive value, pigs 1917.
Chaetomium cellulolyticum, Sporotrichum pulverulentum, biodegradation, lignocelluloses, pretreatment, sodium hydroxide, hydrogen fluoride, steam 1712. continuous culture, contamination, bacteria, wild type, yeasts 1707. fermentation, mik, ultrafittration, nutritive value, pigs 1916. fermentation, mik, ultrafittration, nutritive value, pigs 1916. fermentation, production, Sporotrichum pulverulentum, Trichoderma viride, industrial wastes, oliseed crops, Olea eurapae 5114. fermentation, yeasts, reviews 2752.
fungi, production, use, rapeseed oil, palm oil 872.
Fusarum oxysporum 1.sp.lini, production, amino acid composition, food industry, industrial wastes 1729.

turigi, production, use, representation, paramino acid composition, food industry, industrial wastes 1729.

Iactose fermentation, milk ultrafiltration, Trichosporon cutaneum 1719. methionine, over production, ethylmethanesulfonate mutagenesis, yeasts 5115. nutritive value, feeds 1914. Penicillium commune, mycelia binding, bile acids 7675.

Production, Aspergiflus furnigatus, fermenters, cassava roots 1709. production, bagesite hydrolysis, media (culture), mathematical models, cellulolytic bacteria 4353.

production, bagasse, sodium hydroxide pretreatment, biodegradation, Chaetomium cellulolyticum 1715.

production, carbon sources, fermentation, sulfite liquor, Pichia labacensis sp. nov. 6816.

production, cassava fermentation, Rhizopus oligosporus 1714.

production, cellulose fermentation, crop residues, cellulolytic microorganisms 3726.

production, Chaetomium cellulolyticum, fermentation, reactors, straw, Triticum aestivum 1711.

aestivum 1711.
production, economic importance, cost-benefit analysis 3727,
production, fermentation, optimization, monitoring, computer applications,
Saccharomyces cerevisiae, fermentation 5967
production, fermentation, suffite liquor, Candida utilis 7671,
production, fermentation, suffite liquor, methanol, monitoring, computer
applications, Candida utilis, Hansenula polymorpha 5966.
production, fermentation, whey 1718.
production, fermentation, whey 1718.
production, fermentation, whey, lignocelluloses, nutritive value, conferences
2544.

2544

2094; production, food processing brines, fishery products, Candida utilis 6812. production, genetic engineering, reviews, microorganisms 3419; production, Geotrichum candidum, Candida pseudotropicalis, lysis, Cytophaga, Arthrobacter, Streptomyces gresus 8815; production, glucose metabolism, mathematical models, Chaetomium cellulolyticum production, glucose metabolism, mathematical models, Chaetomium cellulolyticum

5958

5958.
production, gram-negative bacteria, Agave fourcroydes crop residues 3415.
production, growth conditions, kinetics, optimization, Candida utilis 9225.
production, growth factors, peat hydrolysates, Candida utilis 8080.
production, growth, Hansenula polymorpha 856.
production, hydrocarbons, carbon sources, fermentation, reviews 8288.
production, industrial wastes, distilleries, Saccharomyces cerevisiae, Torulopsis ethanolliolerans 865.

production, methanol carbon sources, microorganisms 1922. production, microorganisms, characterization, books, conferences 8500. production, nitrogen composition, yeasts 3728. production, optimization, cost-benefit analysis, fermentation, bioreactors, Hansenula polymorpha, Methylomonas 5963.

Single-cell protein, (continued)

production, peat hydrolysates, conferences, fungi 7645. production, peat, hydrolysates, media (culture), Agaricus campestris, Morchella esculenta 6807.

production, peat hydrolysates, sodium chloride, humic acids effects on, Candida tropicalis 6809. production, Pekilo process, biomass measurements, sulfite liquor, Paecilomyces

varioti 5965

varioti 5965.

production, petroleum fermentation, yeasts 5960.
production, Phanerochaete chrysosporium, Candidia utilis, mixed culture, fermentation, straw, Triticum aestivum 1710.
production, Pichia spartinae, substrates, Musa paradisiaca crop residues 863.
production, potassium nutrient requirements, ethanol utilization, Torulopsis ethanolitolierans 3409.
production, reviews 5107.
production, Scytalidium acidophilum, nutrient sources, Sphagnum, hydrolysates 7879.

7879

production, starch residues, food industry, fermentation, Aspergillus, Rhizopus, Penicillium 1713.

Penicilium 113 resolues, loot intustry, termentation, Aspergillus, Hnizopus, Penicilium 113 resolues, loot industry, termentation, Pakilo process, monitoring, computer applications. Pseudomy mentation, Pekilo process, monitoring, computer applications. Pseudomy mentation, Pekilo process, monitoring, computer applications. Pseudomy mentation, Candida tropicalis 4411 production, temperature effects on, Candida tropicalis 4411 production, Torulopsis candida, outure use palm oil 2553 production, use inydrocations, methane, metabolism, methylotrophic bacteria 5706. production, use ignocelluloses, hydrolysis, cellulase 1885 production, whey fermentation, Vigoramy cos fragilis 1723, production, whey fermentation, yeasts 3420. purification, whey fermentation, yeasts 3420. purification, Methylophilus methylotrophus 8524. reviews, books 5093. Saccharomycos cerevisiae, feeding trials, effects on phytic acid, nutrient availability, phosphorus, rats 7883. Saccharomycos cerevisiae, feeding trials, effects on phytic acid, nutrient availability, phosphorus, rats 7883. Saccharomycos cerevisiae, peds, toxicity, pathogenesis, buffaloes 1071. Saccharomycos cerevisiae, nutritive value, silage, preservatives, cattle, sheep 2747.

2747.

thermophilic fungi, protein composition, amino acid composition, lipid composition, vitamins 860.

Torulopsis utilis, lysine bioavailability 1730.

Torulopsis utilis, nutrient availability, juveniles, cattle 1921.

Trichoderma harzianum production, Oryza sativa straw utilization 3725.

Trichosporon cutaneum, toxicity testing, mutagenicity testing, rats 1915. whey fermentation, yeasts 1720. yeasts, production, fermentation, methodology 7880.

Sinningia speciosa, leafspot, Pseudomonas 6273.

Slomycin,

Stomycin, biosynthesis, Streptomyces corchorusii 3128. Strococcus clavlglgnenti-juglandacearum, canker, Juglans cinerea, pathogenicity, disease spread, plantations 7991 conidia, survival, airbome microorganisms, Juglans cinerea canker 1138.

Strohaem, containing proteins, assays, peroxidase staining, immunodiffusion, Escherichia coli 8559.

analogs, synthesis, antibacterial activity 5787

Sisomicin

antibacterial activity, Mycobacterium fortuitum, Mycobacterium chelonei 4850.
 antibiotic synergism, N-formimidoyl thlenamycin, antibacterial activity,
 Streptococcus faecalis, Streptococcus faecium 4811.
 +azlocillin, antibiotic synergism, Pseudomonas aeruginosa antibacterial activity,

kinetics 4836. , mezlocillin, -

kinetics 4836.

†, mezbocillin, +azlocillin, antibiotic synergism, antibacterial activity,
Escherichia coli, Klebsiella pneumoniae, Pseudomonas aeruginosa 2271.

Sletotrema brinkmanıli,
cell culture filtrates, tributytin biodegradation 3648.

Slet-directed mutagenesie,
genetic engineering, dairy starters, lactic acid bacteria 3696.
methodology, use exodeoxyribonuclease III, Escherichia coli 738.
tyrosyl-tRNA synthetase genes, structure-activity relationships, tyrosyl-tRNA
synthetase, X-ray crystallography, Bacillus stearothermophilus 8573.
use phage M13 cloning vectors 626.
Sltophilus avenae,
biological control, pathogenicity, field trials. Entomophthoraceae 5230.
biological control, pathogens, field trials, Enynia neoaphidis 5229.
Slze distribution,
stomata, Triticum X Secale cereale leaves, Puccinia recondita rust incidence

stomata, Triticum× Secale cereale leaves, Puccinia recondita rust incidence

Skim milk

lactose hydrolysis, β-D-galactosidase, immobilized enzymes, Aspergillus oryzae 206.

 Skim-milk,

 Indianal and use in account processing techniques. Streethococcus cress.

lactic acid production, growth, measuring techniques, Streptococcus cremoris 7867 powder, Bacillus cereus contamination 7000. powder, milkfat, cheese production, Lactobacillus 4460.

KIII, infection, Pseudomonas aeruginosa, contamination, baths, man 568. microflora, antiseptics disinfection, animal models 4141. microflora, bacteria, counting methods 4183. microflora, neonates, relationship, baths, washing, man 6729. microflora, sampling, methodology, reviews 4964.

microflora, satisfied in the control of the control

pigs, lung, Haemophilus isolation, dilution methodology 2463 Silces,

agglutination, comparison, fluorescent antibody test, Legionella clinical isolates identification 3301

agglutnation, lectins, identification Staphylococcus 700, agglutnation, lectins, identification Staphylococcus 700 assays, enterotoxin A, enterotoxin B, enterotoxin C, Staphylococcus aureus 4489. throat swabs, Streptococcus identification, clinical microbiology 717.

heterotrophic microorganisms, heavy metals concentration, rivers, Eire 6716. Klebsiella oxytoca, Pseudomonas aeruginosa, spoilage, milk 6176.

Klebsiella oxytoca, Psetconno.
Sludge, digestion (anaerobic), methanogenesis 5844, organic compounds, waste treatment 9238.
Sludges, oil and gas industry, land disposal, biodegradation, soil microorganisms 4919, wastewater treatment, isolation, Salmonella, indicator species, characterization, USA, Florida 4927.

USA, Florida 4927.

Slurries,
biomass production, microorganisms, media (enrichment) 7508.
digestion (anaerobic), methanogenesis 8395.
effects on, soil microorganisms, soil properties, flooded areas 2180.
feeds, sheep, contamination, Staphylococcus, coliforms, Salmonella 7018.
manure, chickens, methanogenesis 7306.
pigs, digestion (anaerobic), inactivation, enterovirus (bovine), vaccinia virus,
lactors affecting 6884.
pork, nisin, effects on, Clostridium botulinum, growth 1924.
washewater freatment, nitrate-reducing bacteria, survival, Eschenchia coli,
washewater freatment, nitrate-reducing bacteria, survival, Eschenchia coli,
washewater freatment, microorganisms, procession of the colimonomelia entertidis 5700.

Smears, methodology, Campylobacter fetus subsp.jejuni enteritis diagnosis 3297.

crop residues, Hordeum vulgare, Medicago sativa, antifungal activity, fungi 8319. preservation, seafood, Scombridae 8718. Smut,

Smut,
biological control, Bromus tectorum 8024.
Sorosporium apparaoi sp.nov. Kyllinga triceps, India 2035.
Sphacelotheca reliliana, factors affecting incidence, Zea mays 8795.
Ustilago hordei, pathogenicity, genetic analysis, disease resistance, plant breeding, models, Hordeum vulgare 2857.
Ustilago maydis, free radicals levels, ear, anthers, flowers, Zea mays 5433.
Snow bilght,
Pinus sylvestris, association nutrient dynamics 5601.

Soaps,

contamination, bacteria 8430. contamination, microorganisms, cross-infection association, man 9267 Sodium ts on nitrogen fixation, Plectonema boryanum, comparison, Anabaena torulosa

6381

levels, fungi 5341. + metam, use, irrigation, disease control, Varticillium dahliae infection, Solanum

tuberosum, effects on yield 1209.
+RNA, media (isolation), Shigella 9326.
transport, fusicoccin effects on, roots, Beta vulgaris 8741.

Sodium acetate,

Sodium acetate,
methanogenesis, mesophilic bacteria 3003.
Sodium acid pyrophosphate,
+ sodium acid pyrophosphate,
+ sodium acid pyrophosphate,
+ sodium alignate,
- sodium alignate,
extracellular polymers. Pseudomonas aeruginosa, antibodies, detection,
enzyme-linked immunosorbent assay 761.
Sodium alikyl-sryl sulfonate,
effects on antiseptics antibacterial activity 9261.
Sodium ascorbate,
preservatives, prevention, snoilane, curred products, ham 7995.

ervatives, prevention, spoilage, cured products, ham 7886.

preservatives, prevention, sponage, cured products, nam 7000.

Sodium azide,
bacteriostats, immunoperoxidase test, effects on 3052.

effects on, Catenaria anguillulae, biological control, Meloidogyne incognita

fermentation optimization, ethanol production, effects on electron transport cytochrome c oxidase, Saccharomyces cerevisiae 3624.

Sodium benzoate, disease control, Botryodiplodia theobromae, fruit rot, Citrus reticulata 5525.

Sodium blearbonate, detoxification methodology, aflatoxins, food contamination, Gossypium hirsutum seeds meals 7081. Sodium bisulfite

reduction, nitrogenase, Klebsiella pneumoniae 903. stimulation survival Campylobacter jejuni, isolation, milk 4459.

Sodium borate,
Sodium borate,
comparison, chloramine-T, media (transport), Mycobacterium bovis 665.
Sodium chloride,
antibacterial activity, food, reviews 7024.

antibacterial activity, Yersinia pseudotuberculosis, Yersinia enterocolitica 9101. containing Mueller-Hinton agar, use, dilution tests, micromethods, antibiotic

containing Mueller-Inflicti agar, use, citudon tesis, micromethous, antibilotic resistance, Staphylococcus 3012. 
effects on Aspergillus affatoxins biosynthesis, in vitro 7071. 
effects on Corynebacterium diphtheriae toxins, conformation association acids

5388

5388.

effects on production, biomass, single-cell protein, peat hydrolysates, Candida tropicals 6809.

effects on Staphylococcus aureus, growth, toxins production 8760.

+electrical stimulation, effects on bacteria microflora, beef 6976. inhibition, methanogenesis, digestion (anaerobic) 6893.

tolerance, Phizobium meliloti nitrogen fixation, glycine betaine effects on 2159.

Sodium cifrate, antibacterial activity, heat resistance, spore germination, Bacillus stearothermophilus, canned food 7376. antibacterial activity, spore germination, heat resistance, Bacillus 7374. antibacterial activity, spores, calcium, magnesium, release, Bacillus 7375.

annoacterial activity, spores, calcium, magratum, resease, bacinist 70.5.

Sodium diacetate,
antimicrobial activity, microorganisms, effects on, hay, preservation 6490.

Sodium dodecyl sulfate,
effects on endopedidase I activity, Bacillus sphaericus 5129.
inhibition energy metabolism, active transport, plasma membranes, Enterobacter
cloacae 7549. cioacae 7549.

+ polyacryjamide gels electrophoresis, comparison typing, Neisseria meningitidis clinical isolates identification 2456.
resistance, Enterobacteriaceae 7339.
use, yeasts RNA, DNA, isolation methodology 8492.

Sodium dodecytienzene autfonate, antifungal activity, disease control, post-harvest decay, tomatoes 8054.

Sodium fluoride, antibacterial activity 5861.

canadateria activity 5001.

topical application, prophylaxis, dental plaque, Lactobacillus, Streptococcus mutans, cancer patients 6730.

Sodium hydroxide, bactericidal activity, Mycobacterium 3044, detoxification methodology, aflatoxins, food contamination, Gossypium hirsutum detarication methodology, affatoxins, food contamination, Gossypium hirsutum seeds meals 7081.

effects on, Tincherina viride, cellulase, hydrolysis, cellulase 188.

+ jerrication of the property of the pro

efflets or amapping amapping and solution of the solution of t

inhibition Clostridium botulinum growth, packaging, films, oxygen permeability, luncheon meat 7023. potassium sorbate, +sodium acid pyrophosphate, inhibition Clostridium botulinum growth, toxins production, frankfurters 7021. preservatives, prevention, spoilage, cured products, prevention 7886. Sodium potaphate, nutrient requirements, industrial effluents distilleries, Bacillus 5818. Sodium potaphatehanoi aulfonate, blood culture, Salmonella lyphi, Salmonella paratyphi, effects on recovery 1579. Sodium taurocholate, media (solation), Clostridium difficile spores, feces 688. Mactericidal activity. Desufforiyitrio vulgaris 3057.

Sodium tetraborats, bactericidal activity, Desulfovibrio vulgaris 3057. Sodium thiosulfate, Fusarium solani, resistance, heavy metals toxicity 2201. Soft rot, aquatic microorganisms, wood, biodegradation, reservoirs, sub-polar environments 7838.

roso. biodegradation, Phialophora hoffmannii, wood, cinemicrography 1245. Cyclamen persicum, Erwinia carotovora subsp.carotovora isolation, pathogenicity

decay fungi, vanillic acid, syringic acid, metabolism, association, lignin, biodegradation 2705. Erwinia carrotovora, disease resistance, plant breeding, germplasm, Solanum

Erwinia carotovora, disease reisstance, plant breeding, germplasm, Solanum tuberosum 7210. plants present part present present part present pr

Solanum tuberosum 8112.
Erwinia, transmission (seed), Solanum tuberosum 8870.
Ganoderma tsugae, Tsuga canadensis, lignin, degradation 3917.
Pseudomonas, isolation methodology 1089.
Solanum tuberosum, Erwinia carotovora subsp, atroseptica, Erwinia carotovora subsp, carotovora, disease resistance 4561.
Solanum tuberosum, pathogenesis, Erwinia carotovora subsp, carotovora 4562.

Softwoods, forest products, protection, biodeterioration, fungi, Canada 1248

oli,
Ables balsamea, nitrification, methanol extracts inhibition, proteins binding
effects son, sub-alpine environments 2909.
Ables balsamea, nitrification, phenols inhibition, sub-alpine environments 2908.
acetylene reduction, nitrogen fixation, ethylene release, Finland 4651.
acetylene reduction, nitrogen fixation, ethylene release, Finland 4651.
acetylene reduction, nitrogen-fixing bacteria, forests, Eucalyptus obliqua, Pinus

acetyrene reduction, nitrogen-nixing pacteria, torests, Eucalyptus obliqua, Pinus radiata 893 on Vigna unquiculata nodulation, Rhizobium 8993. actinomycetes, ecological distribution, environmental factors, population levels, Australia 8991.

actinomycetes, ecological distribution, environmental factors, population levels.
Australia 8991.

activity, urease, phosphatase, arylsulphatase, Cook Is., Tongan Is. 8225.
applications, herbicides, effects on, Drechslera sorokiniana leafspot, Poa pratensis 3803.

applications, herbicides, effects on fungicides disease control, Vigna unguiculata, damping-off 2090.

Aspergillus niger, heterotrophy, acid rain anions effects on 2999.

association, Fagus sylvatica, dentirification, bacteria 2991.

ATP levels, relationship, soil properties, measuring techniques 2147.

ATP levels, soil microorganisms, measuring techniques 1263.

ATP, measuring techniques 2932.

ATP, measuring techniques 2932.

ATP, measuring techniques 2932.

AZP, measuring techniques 2932.

AZP, aciphone-methy biodegradation, bacteria soil isolates 4444.
Azospirillum brasilense isolation, characterization 2954.

Azotobacter vinelandii, excretion, amino acids, vitamins 1266.

Bacillus, nutrient requirements, carbon sources, endospores formation 4519.

Bacillus thuringiensis, persistence, immunofluorescence 3580.

Bacteria, algae, levels, activity, phenamiphos, oxamyl, effects on 9025.

bacteria, iliurescence, cytolysis, effects on, Fusarium oxysporum f.sp. cucumerium, chilamydospores, spore germination 8227,

bacteria, manganese, oxidation, reduction, valency 6396.

Beauveria bassiana inoculum survival, biological control, pest control, pupae, Leptinotarsa decemilneata 5213.

benzol alpyrens biodegradation, bacteria 4837.

beauveria cassiana inoculum survival, biological control, pest control, pupar Leptinotarsa decemineata 5213. benzol alpyrene biodegradation, bacteria 4637. carbofuran, biodegradation, soil microorganisms, factors affecting 6387. carriers, Rhizobium inoculum, cold storage, yield, Vigna unquiculata 2982. cations, relationship Phymatotrichum omnivorum ecological distribution 374. cattle urine effects on denitrification 2948.

Soll, (continued)
cellulolytic bacteria, cellulose decomposition 6339.
chitnase, assays, relationship population levels, fungi 2937.
clays minerals, interaction, microorganisms, reviews 462-coastal environments, sulfur oxidation, acidity, soil microorganisms, 9968.

coastal environments, sulfur oxidation, acidity, soil microorganisms 8968. Cochilobolus victoriae conidia virulence, plant diseases 1090. Cochilobolus victoriae conidia virulence, plant diseases 1090. Colonization, Beauveria bassiana, Metarhizium anisopliae, disease reservoirs, biological control, Curculio caryae 525. Community development, succession, microorganisms, biodegradation, organic matter, reviews 4625. Corynebacterium, ferric oxide reduction 8260. Corynebacterium, ferric oxide reduction 8260. cultivation, Stropharia rugoso-annulata 6995. cultivation, Stropharia rugoso-annulata 6995. decontammation, composting, biodegradation, 2,4,6-trinitrotoluene, hexahydro-1,3,5-trinitro-1,3,5-triazine 7511. dehydrogenase activity, oxygen, pl.4. temperature, nitrogen inorganic compound

dehydrogenase activity, oxygen, pH, temperature, nitrogen inorganic compounds effects on 8988.

dehydrogenase activity, oxygen, pH, temperature, nitrogen inorganic compounds effects on 8988. 
denitrification, plantations, Hevea 6356. 
denitrifiying bacteria, denitrification inhibitors, simazine, atrazine 9002. 
denitrifying bacteria, denitrification, nitrogen cycle, reviews 4655. 
detection, gram-positive bacteria, use, etichoic acid, biosasays 8202. 
distribution, Vernicillium dahlae propagules, USA, Ohio 7918. 
distribution, vernicillium dahlae propagules, USA, Ohio 7918. 
distribution, soil amendment, fungi, saprophytes, roots colonization, species 
composition, mines 8230. 
ecological distribution, Nematophagous fungi, isolation, methodology 5923. 
effects on Pseudomonas solanacearum will pathogenesis, Arachis hypogaea 249. 
environmental effects, Myxomycetes, soil, USA, Rocky Mountains 387. 
enzymatic activity, stability 399. 
Exserbilium trucium saprophytes, survival 2137. 
factors affecting, microorganisms, mineralization, nitrogen, reviews 4653, 
forests, bocteria enumeration, environmental factors effects on 1231. 
forests, formation, ectomycorrhizas, vesicular-arbuscular mycorrhizas, 
https://doi.org/10.1006/j.com/10

on 6332

on 6332. fumigation, effects on vesicular-arbuscular mycorrhizas 7298 fumigation, metham, antifungal activity, growth, spore germination, Trichoderma hamatum, Trichoderma harizanum, Trichoderma vinde 8924. fungi mycelia growth, development 401. fungi parasites, nematophagous fungi, Nematoda, Antarctica 8982. fungi, seasonal variations, vertical distribution, soil moisture, ecceystem analysis, tundra 2129. fungistasis, bacteria, inhibition spore germination, conidia, Bipolaris victoriae 8966. fungistasis, phytogathogatic fundi soil-borne diseases 328.

fungistasis, phytopathogenic fungi, soil-borne diseases 328. Fusarium oxysporum f.sp.ciceri colonization plant debris, saprophagy, temperature effects on 5618.

Fusarium oxysporum f.sp.lini, in situ, microscopy, fluorescence 1267. Fusarium oxysporum f.sp.niveum infestation, nonhost crops growth association, effects on levels 3826. Gaeumannomyces graminis var.tritici, growth, take-all epidemiology, Triticum aestivum 7145.

destrutin / 145.

[glutaminase activity measurements, colorimetry methodology 8212.

[glutaminase activity measurements, colorimetry methodology 8212.

[glutaminase activity dispersion for several association 2959.

heterorrophic bacteria, sulfur cycles 8945.

histoline ammonia-lyase activity distribution 8211.

hydrocarbons, biodegradation, sewage sludge, applications, microorganisms, role

hydroxamic acid siderophores incidence, Escherichia coli bioassays 675. hyphae staining, fluorescein diacetate, Penicillium citrinum, Rhizoctonia solani 8963.

8983.
immunofluorescence, microscopy, identification, detection, Phaeolus schweinitzii, propagules 4621.
inoculation, Azotobacter chroococcum, nitrogen fixation 4652.
inoculum, biological control, Trichoderma viride, Trichoderma harzianum 8918.
inoculum detection, Rhizobium mellioti, enzyme-linked immunosorbent assay 4174.
inoculum, peat, carbohydrates effects on Rhizobium 4642.
inoculum survival, role aromatic compounds, carbon sources, Rhizobium leguminosarum var trifolii 3961.
isolates infrongentivion pertens. Ernurt. Arab San. 4647.

leguminosarum var.trifolii 3961.
Isolatas, nitrogen-fixing bacteria, Egypt, Arab Rep. 4647.
Isolatasin methodology, nitrifying bacteria 6774.
Isolation methodology, nitrifying bacteria 6774.
Isolation, Tichhodorima, Fusarium, media (selective) 797.
Isoproturon, persistence, biodegradation, microorganisms 4630.
Isolation, province of the province of

eneus on 3045. Iland reclamation, soil microorganisms, population levels, USA, New Mexico 6392. levels, sclerotia, Macrophomina phaseolina, latent infection, Euphorbia lathyris, weeds, USA, Arizona 8044.

weets, USA, Altibila 6044, manure, effects on, nitrogen fixation, Triticum aestivum, Oryza sativa 6384, microorganisms, ecosystem analysis, isolation, media (culture), biodegradation, measuring techniques, reviews, books 5092, microorganisms, PCB sorption 388.

measuring techniques, reviews, books 5092.
microorganisms, PCB sorption 388.
Microsporum gypseum mating types, ecological distribution, Spain 8980.
Microsporum gypseum mating types, ecological distribution, Spain 8980.
Microsporum gypseum mating types, ecological distribution, Spain 8980.
microwave radiation, effects on soil microorganisms 3361.
mines, land reclamation, Pisolithus tinctorius, ectomycorrhizas, colonization, seedlings, Pinus 8931.
mycoflora, relationship Aphelenchus avenae, population levels, forests, Pinus radiata, crop fields, Triticum aestivum 8223.
mycorrhizas population levels, primary production, forests 5533.
mycorrhizas population levels, primary production, forests 553.
mycorrhizas population levels, primary production, forests 553.
mycorrhizas population levels, primary production, forests 553.
mitroflation, ehrorium(III), chromium(VI), effects on, nitrifying bacteria 9027.
nitrification, nitrifying bacteria, reviews 4654.
nitrification, intrifying bacteria, reviews 4654.
nitrification, nitrogen fixation measurements, microorganisms symbiosis, plants 411.
nitrogen, effects on, fungi, biodegradation, wood 1244.
nitrogen, effects on, fungi, biodegradation, wood 1244.
nitrogen, effects on fungi, biodegradation, wood 1244.
nitrogen levels, soil microorganisms, cellulose biodegradation, taiga 5544.
nitrogen-fixing bacteria, Trinidad, Tobago 6359.

Soil. (continued)

nitrogenase activity measurement, straw decomposition 7292.

nitrous oxide levels, soil microorganisms, factors affecting 1274.

organic matter, carbon-14 enrichment, flux, turnover, biodegradation, soil

production 7274,
phosphatase activity, Wicia faba residue biodegradation 3668,
phosphatase activity, Vicia faba residue biodegradation 3668,
phosphate solubilization, fungi, phosphate-dissolving bacteria 2138,
phospholipase C activity, bacteria 2947,
phosphoria cycle, bacteria, reviews 4626,
phytopithora colocasiae, survival, saprophytes, association, Colocasia 8958.
Phytopithora colocasiae, survival, saprophytes, association, Colocasia 8958.
Phytopithora lateralis, isolation methodology 5650,
poliovirus adsorption, sewage effluents, ions effects on 4934,
pollutants fermentation, dentification, anaerobic conditions 5670,
population dynamics, Pseudomonas solanacearum, plant diseases 6218.
Pseudomonas fluorescens, pyoluteorin biosynthesis, use biological control,
damping-off, Pythium uttimum 2888.
Pseudomonas putida thiolester hydrolase, 2-(2,4-dichlorophenoxy)ethyl sulfate
activation 880.

Pseudomonias putius transessi in instance, in passage of the control of the contr

Rhizobium meliloti, chemotaxis, motility 378. Rhizoctonia bataticola inoculum, mycelia, sclerotia, Cicer arietinum infection incidence 1976.

rhizosphere, composition, Triticum aestivum, Oryza sativa, manure effects on

2996.
savannahs, urea fertilizers, sulfur coatings, pH, nitrogen levels 8256.
siderophores requirements, bioassays, Salmonella typhimurium 375.
soil microorganisms, carbon monoxide, inhibition, nitrogenase, association,
ethylene, production 6357.
soil microorganisms, nitrification, adaptations, cold, climatic conditions,
Greece 6359.
soil temperature, water potential effects on, growth, Gaeumannomyces graminis
var.tritici 8986.
solar radiation+fumigation effects on crater disease, Triticum aestivum 8120.
solar radiation treatment effects on soil microorganisms 4618.

surar radiation+furnigation effects on crater disease, Triticum aestivum 81 solar radiation, freatment, effects on, soil microorganisms 4618, solarization, effects on Macrophomina phaseolina sclerotiola viability 6302. sorpition, viruses, waste water, applications 393, Spongospora subterranea detection methodology 1675. spore germination, conidia, life cycle, Penicillium daleae, Penicillium bilaii 8939.

spores, Glomus, Scierocystis, Israel 6337

spores, diomus, sociercysis, israel 537.
staining, osopores, mycelia, phytophthora megasperma f.sp. glycinea 8203.
sterilization, methodology 1268.
sterilization, use, fungicides fumigation, Turkey 337.
storage, anaerobic conditions, effects on soil microorganisms, use, soil 5688.
storage, vescular-arbuscular mycorrhizas restoration, land reclamation, gravel
ptts 1253.

pits 1253.
straw residues, biodegradation 7249.
survival, Gaeumannomyces graminis var.tritici 6351.
survival, Gloums caledonium, Acaulospora laevis 5644.
survival, Scierotium rolfsii, saprophytes 3943.
temperature, effects on, soil mitcroorganisms, denitrification 4872.
tamperature, effects on, soil mitcroorganisms, denitrification 4872.
Trichoderma, antagonism, Pythium, biological control 8115.
Trichoderma, antagonism, Pythium, biological control 8115.
tropical environment, media (culture), Rhizobium, interaction, Metarhizium 5634.
urea adsorption, Trinidad 7288.
urease activity, urea hydrolysis 7250.
vertical distribution, β-D-fructofuranosidase activity, measuring techniques
6333

Verticicladiella procera incidence, Pinus strobus, Pinus sylvestris, USA, Virginia 3919.

virginia 3919.

vesicular-arbuscular mycorrhizas propagules, isolation methodology, measuring techniques, reviews 824.

volume, inhibiton vesicular-arbuscular mycorrhizas growth stimulation, Allium cepa 5643.

water potential, respiration, nitrogen fixation, Azotobacter vinelandii 8237. Soli aeration,

oli aeration, carbon dioxide, effects on Glomus macrocarpum symbiosis, Eupatorium odoratum, Guizotia abyssinica, Sorghum bicolor 3937. effects on vesicular-arbuscular mycornizas, nutrient uptake, Eupatorium odoratum, Sorghum bicolor, Guizotia abyssinica 1256.

coloratum, Sorghum bicolor, Guizotia abyssinica 1256.

Soll amendment
bacteria inoculum, effects on yield, Solanum tuberosum, Zea mays 8201.
cadmium, copper, toxicity, bacteria 4675.
calcium oxide, soil microorganisms, biomass, C/N ratios 2998.
commercial, microorganisms, effects on Triticum aestivum growth, yield 8960.
crop residues, effects on population levels, soil microorganisms 5687.
disease control, soil-borne diseases, Fusarium oxysporum f.sp.ycopersic 8104.
fermentation, industrial wastes, soil microorganisms 8258.
fungicides, disease control, Solanum tuberosum, plant diseases, Globodera rostochiensis, Verticillium dahilae 8121.
land reclamation, revelgatation, coal, mines, industrial wastes, microorganisms, role 3955.
manure, fecal coliforms, coliforms, drainage, water quality, crop fields 6709.

role 395.
manure, fecal coliforms, coliforms, drainage, water quality, crop fields 6709.
Medicago littoralis, crop residues, decomposition, soil microorganisms 5685.
ntrogen, soil microorganisms biomass, soil respiration 2931.
organic compounds, stimulation 2,4-D biodegradation, bacteria 6391.
organic matter, effects on phytopathogenic fungi damping-off, Pinus banksiana,
Picoa mariana 1239.
polysaccharides, stimulation 2,4-D biodegradation, bacteria 6389.

Soil amendment, (continued)

sawdus, loi cake, disease control, root rot, Triticum aestivum 8088. sawdus, loi cake, disease control, root rot, Triticum aestivum 8088. sawage sludge composts, disease control, fungi, crops 5488. sawage sludge, composts, disease control, soil-borne diseases 311. sawage sludge, disease control, crown gall, Rubus 310. solid wastes, composts, fertilizer applications, Switzerland 8392. straw, effects on Bradyrhizobium japonicum, population levels, rhizosphere, Cluricia may 70920

organic matter, carbon-14 enrichment, flux, turnover, biodegradation, soil microorganisms 8964.

Oryza sativa, wetlands, nitrogen cycle 3965.
pasteurization, disease control, Trifolium subterraneum, damping-off, root rot, Pythium, Fusarium avenaceum 6301.

Pythium, Fusarium avenaceum 6301.

peroxidase, isolation, activity 2143.

Pesticidase, effects on, soil microorganisms, measuring techniques, reviews 4673.

Pezizales, ecological distribution, habitat, Greenland 2128.

Ph, temperature, water content, effects on, soil microorganisms, carbon sources soil analysis, clays, soil microorganisms, carbon sources soil analysis, biomass levels, factors affects on production 7274.

Soll characteristics, effects on soil microorganisms, carbon sources soil analysis, biomass levels, factors affects on production 7274.

Soll characteristics, effects on soil microorganisms, carbon sources soil analysis, loans soll evels, factors affects on economycorrhizas inoculation, trees response association, reviews 350.

effects on ectomycorrhizas inoculation, trees response association, reviews 350. effects on plants response association vesicular-arbuscular mycorrhizas, reviews

390. soil microorganisms, respiration, grasslands 395.

Soli chemistry,
effects on Rhizobium leguminosarum var.trifolii inoculation, nodulation,
Trifolium repens 7278.

Soil density, nitrification, denitrification 5659.

Soil depth, effects on sclerotia germination, Sclerotium rolfsii 6338.

effects this sections of the section of the section

properties 7300. actionmycetes, solation, membrane fittration 6316. activity, ammonium sulfate, fertilizer applications, organic matter accumulation,

actinomycetes, isolation, membrane fitiration 6316.
activity, ammonium sulfate, ferbilizer applications, organic matter accumulation, soil structure, pasture 5640
activity, introgen cycle, pasture, New Zealand 7268.
agricultural practices effects on 376.
allelopathy, Asparagus officinalis 3831:
aluminum phosphate utilization, phosphorus sources 2151.
aluminum phosphate utilization, phosphorus sources 2151.
antiagnorism, Rhizoctonia, Certatobasidium, eye spot, Gramineae 7208.
antimicrobial activity, mandibular glands, secretions, Calomyrmex 3069.
antimicrobial activity, mandibular glands, secretions, Calomyrmex 3069.
antimicrobial activity, mandibular glands, secretions, Calomyrmex 3069.
ATP levels, soil, measuring techniques 1263.
ATP soil, measuring techniques 2932.
Azotobacter, Psidium leaves effects on, in situ 4643.
bacteria, actionmycetes, feeding, Aphelenchus avenae 7263.
bacteria, distribution, USSR 9354.
bacteria, isoprano, soil, factors affecting 6387.
bacteria, isoprano, soil, factors affecting 6387.
bodegradation, carboturan, soil, factors affecting 6387.
bodegradation, flux, tumover, organic matter, carbon-14 enrichment, soil 8964.
biodegradation, illoane isomers 9023.
biodegradation, illoane isomers 9023.
biodegradation, illoane isomers 9023.
biodegradation, liviten avsilehility, sea, industrial wastes land disposal

6322 biodegradation, nutrient availability, ash, industrial wastes, land disposal 8257.

biodegradation, nutrient availability, ash, industrial wastes, land disposal 8257.
biodegradation, pil and gas industry sludges, land disposal 4919.
biodegradation, PCB 8976.
biodegradation, phenol 2141.
biodegradation, phthalic acid, monobutyl phthalate, dibutyl phthalate 8961.
biodegradation, phthalic acid, monobutyl phthalate, dibutyl phthalate 8961.
biodegradation, toxicity, fosamine ammonlum, hexazinone,
N-(phosphonomethylylgicine 2175.
biodegradation, 24-Dt temperature effects on 4433.
biogeochemistry, metals uptake, conferences, books 2543.
biological activity, fluorine, soil poliution, poliution effects 413.
biomass assays, chemical analysis, nitrogen, phosphorus, soils (organic) 5631.
biomass, biochemical characteristics, pasture, New Zealland 6346.
biomass sevisis, methodology 5684.
biomass levels, carbon sources decomposition, hurrication, clays 2938.
biomass levels, zinc, marganes affecting 7247.
biomass measurement, nutrient cycles, carbon, nitrogen, paddy fields 5632.
biomass measurement, nutrient cycles, carbon, nitrogen, paddy fields 5632.
biomass, Ohadios, soil phi, calcium oxide soil amendment effects on 2998.
biomass, phosphorus concentration 6348.
biomass, phosphorus concentration 6348.
biomass, principan activity, phosphatase activity 1264.
biomass, urases activity, phosphatase activity 1264.
biotecholory cross vield books 3366.
biomass, urases activity, phosphatase activity 1264.
biotecholory cross vield books 3366.

fields, Triticum aestivum 5669.
biomass, urease activity, phospinatase activity 1264.
biotechnology, crops, yield, books 3366.
carbon cycle, nitrogen cycle, mathematical models 3938.
carbon cycle, nitrogen cycle, mathematical models 5636.
carbon cycle, soil nutrients, forests 6321.
carbon dioxide production, ash pollution effects 3951.
carbon dioxide production, ash pollution effects 3951.
carbon dioxide production, volcanic ash effects on 2769.
carbon sources biodegradation, heat production association 2150.
carbon sources decomposition, biomass levels, factors affecting, soil analysis, clays 2935.
carbon sources degradation, kinetics, models 2127.

clays 2935.

carbon sources degradation, kinetics, models 2127.

CGA-15281 biodegradation, structure-activity relationships, orchards, Prunus persica 5868.

colonization, leaf litter, decomposition, interspecific relationships, invertibrata, forest floor 7222.

colonization, stimulation seedlings growth, Hordeum vulgare 3936.

community composition, pollution effects, copper, nickel 2142.

composition, phytotoxins toxicity, Maius pumila rhizosphere 2146.

Soll microorganisms, (continued) crop residues decomposition, hydraulics effects on percolation 7509. crop rotation, tiliage 2140. crop rotation, team ays. Triticum aestivum, herbicides effects on 2929. cyanuric acid, biodegradation 1894.
2.4-D biodegradation, soil moisture, soil temperature 6390. decomposition, crop residues, phytotoxicity reduction, Hordeum distriction 2936. decomposition, leaching effects on, strew-federal valugare 2942. decomposition, leaching effects on, strew-federal valugare 2942. decomposition, leaching effects on, strew-federal valugare 5683. decomposition, avoid, urea fertilization effects on, forests 5578. debydrogenase, respiration, herbicides effects on 8254. dentrification, soil, temperature, effects on 4872. ecological analysis, soil properties, soil temperature 4623. electron transport chain, respiration, 2-4-D effects on 412. fires effects on, forests 7221. furnigation effects on, crop fields 5681. fungi, permethrin derivatives toxicity 2174. Fusarium, grasslands 3950. geographical distribution, deserts forests, USA, Arizona 7246. β-D-glucosidase activity, eellobiose biodegradation 3672. growth, heterotrophy, acid rain effects on 2939. in situ freeze-thawing effects on, Pseudomonas paucimobilis, Acanthamoeba polyphaga 4638. inhibition, 2,4-dioxohexahydro-1,3,5-triazine 3970. kerationphilic fungi, Spain 6336. land reclamation, minnig, waste disposal sites 4676. leaves decomposition, rain forests, ropical environment 7224. litter decomposition, rain forests, ropical environment 7226. metalogy inferaction, sur horders, ropical environment 7226. metalogy inferaction, sur horders, ropical environment 7276. mitrogen cycle, egistance in forests on 1902. nitrification, soil, adaptations, cold, climatic conditions, Greece 6358. nitrogen cycle, efficiers, agricultural ecosystems 5665. nitrogen cycle, efficiers, agricultural ecosystems 5667. nitrogen fixation, crop fields, measuring techniques 1277. nitrogen fixation, crop fields, reasuring effects on 7, plus ponderosa forests 8322. nutri Soil microorganisms, (continued)
thiosulphate sulphurtransferase, humus, forests, Picea 2916.
toxicity, nontarget organisms, pesticides, heavy metals, pollution effects 5680.
toxicity testing, dissolved oxygen uptake, forests, personal participation, continued to the control oxygen participation and the control oxygen participation of the control oxygen participation oxygen partici xenobiotics binding humus 1258.
Soil moisture,
2,4-D biodegradation, soil microorganisms 6390.
drying, effects on dentification, forests 8938.
effects on, Fusarium solani I.sp.phaseoli, infection, Phaseolus vulgaris 3782.
effects on, nitrogen fixation, nodulation, Medicago sativa 2165.
effects on nitrogen fixation, nodulation, Philozobium, nitrogen-fixing bacteria,
crops 2980.
effects on urease, soil microorganisms, semiarid environments, tropical
environment 8239.
Erwinia carottovora subsp.atroseptica, soft rot, tubers, Solanum tuberosum 2818.
fungi, ecosystem analysis, tundra 2129.
Lycopersicon esculentum, buckeye rot, effects on pathogenesis, Phytophthora
parasitica 5458.
https://doi.org/10.1006/10 nitrogenase activity, nitrogen-fixing bacteria, rhizosphere, pasture 9018. Pseudomonas putida, survival, biological control, Fusarium oxysporum, wilt, Linum usitatissimum 2897. Vigna radiata, effects on nitrogen fixation, Rhizobium 4640. Vigna fadiata, effects on nitrogen fixation, microbium 40-40. Soll nutrieffus, soil microorganisms, forests 6321. nitrogen cycle, Hawaii 7223. relationship, Conferales susceptibility, Armillaria mellea root rot 2919. relationship Fusanium solani, blight, Citrus 2003. uptake, Meloidogyne incognia, interspecific relationships, Fusarium oxysporum f.sp. vasinfectum, will, Goisa, interspecific relationships, Fusarium oxysporum f.sp. vasinfectum, will consult in the production of the consultation of Soil pH, aluminum toxicity, Rhizobium leguminosarum var.trifolii nodulation, trifolium repens 7279. An interest in the state of the effects on, Rhizobium leguminosarum, nodulation, nitrogen fixation, Lens esculentum 407.

effects on Rhizobium leguminosarum var.trifolii inoculation, nodulation, Trifolium repens 7278.

effects on soil microorganisms, biomass, C/N ratios 2998. humus, mineralization, carbon, nitrogen 5565.

Pezizales, ecological distribution, habitat, Greenland 2128. relationship, Conferales susceptibility, Armillaria mellea root rot 2919.

Soil pollution, cadmium, self-purification, biodegradation, soil microorganisms 4633. decontamination, fluoride solubilization, Penicillium, Fusarium culmorum, Fusarium merismoides 7258.

effects on soil microorganisms biodegradation ollupose, calorimetry 2933. Autrient cycles, litter, forest floor, burning effects on, Pinus ponderosa forests 8932.

Intrient cycles, mineralization, fallow land, crop production (no-tililage), crop fields, friticum aestivum 5668.

Intrient cycles, nutrient dynamics, organic matter, crop fields 5637.

Intrient dynamics, environment management, pasture 8963.

organic matter biodegradation, crop fields 1265.

organic matter biodegradation, crop fields 1265.

organic matter biodegradation, crop fields 1265.

organic matter decomposition, humification, mathematical models 5638.

paddy fields, reviews 377.

pesticides, effects on, soil, measuring techniques, reviews 4673.

petroleum bodegradation, reviews 8265.

phosphamidon effects on fungi 6386.

Sophitality of the second forest on forest fields on fields f Fusarum mersmodes 7258. effects on soil microorganisms biodegradation glucose, calorimetry 2933. fluorine, soil microorganisms, biodogical activity 413. land disposal, microorganisms biodegradation 4120. microorganisms, biodegradation, reviews 1018. pesticide poliution, carbotruran, fensultothion, biodegradation, bacteria 2173. 2,4,5-T. Pseudomonas cepacia biodegradation 3679. Soil properties, ash, stabilization, straw decomposition, acetic acid, acid production, soil microorganisms 7300. ash, stabilization, straw decomposition, acetic acid, acid production, soil microorganisms 7300.
effects on Arthrobotrys irregularis, pest control, Meloidogyne 5218, grasslands, clays α-amylase, β-D-fructofuranosidase, activity 403. soil ATP levels relationship, measuring techniques 2147, soil microorganisms, ecological analysis, deserts 4623. soil microorganisms, soluries effects on, flooded areas 2180. suppressive soils, phytopathogenic fungi, soil-borne diseases, reviews 329, waste water, irrigation, crop fields, bacteria, characterization 4924. waste water, Irrigation, crop reiors, vacience, characteristics.

Soll asinity,
desiccation, viability, Rhizobium meliloti, inoculum 4663.

effects on nitrogen fixation, Rhizobium japonicum, Glycine max 2163.

Soll atructure,
clays dispersion, rhizosphere microorganisms, organic acids effects on 5639.
soil microorganisms activity, armnonium sulfate, fertilizer applications, organic matter accumulation, pasture 5640. matter accumulation, pasture 5640.
Soli temperature,
cellulose biodegradation, soil microorganisms, taiga 5544.
S 2,4-D biodegradation, soil microorganisms 6390.
effects on colonization, vesicular-arbuscular mycorrhizas, Glomus epigaeum,
Glomus mossaea, USA, Kansas, Triticum aestivum 7259.
effects on Glomus macrocarpus, inoculation, growth, Eupatorium odoratum 7256.
effects on growth, Gaeumannomyces graminis var. tritici 3996.
effects on Suillus luteus fruit bodies formation, plantations, Pinus radiata wulgaris 8990.

All proposition and proposition and properties 2925.

Tole, cellulose mineralization 4931.

Tole, Bulgaria soil types, biological properties 2925.

Tole, cellulose mineralization 4931.

Tole, armine dynamics, biochemical characteristics 2148.

Tole, survival, Fusarium, forest floor 5539.

Savannahs, Topical environment, cooxystem dynamics 2941.

selenium volatilization 7261.

soil amendment, industrial wastes, fermentation 8258.

Soil, carbon monoxide, inhibition, nitrogenase, association, ethylene, production 6357.

Soil fertifity, conferences 5046. 5571.

effects on urease, soil microorganisms, semiarid environments, tropical environment 8239.

Erwinia carotovora subsp.atroseptica, soft rot, tubers, Solanum tuberosum 2818. Morchella esculenta, spore germination, saprophagy 386. soil microorganisms, ecological analysis, deserts 4623. tolerance, Philizobium soil isolates, nodulation, tropical environment, Vigna unquiculata 8241. 6357.
soil fertility, conferences 5946.
soil pollution, cadmium, self-purification, biodegradation 4633.
soil properties, sturries effects on, flooded areas 2180.
soil types, amylolytic enzymes activity 1270.
soil types, amylolytic enzymes activity 1270.
solar radiation, treatment, effects on, soil 4618.
storage, anaerobic conditions effects on, soil, use land reclamation 5688.
straw biodegradation, interaction, carbon, nitrogen, agricultural ecosystems 2699. + water potential, disease control, Gossypium hirsutum, root rot, Phymatotrichum omnivorum 8009. Soil types,
Argentina, association, vesicular-arbuscular mycorrhizas determination, plants
3939. 3939.

Bulgaria, biological properties, soil microorganisms role 2925.
Colombia, Rhizobium inoculation, Leguminosae nodulation, nitrogen yield 2158.
Eucalyhtus sebert, root rot, Phytophthora cinnamomi 5584.
soil microorganisms, amylolytic enzymes activity 1270.
Soll-borne diseases,
disease control, soil amendment, fungistasis, Fusarium oxysporum
f.sp.yosinfectum, Fusarium oxysporum f.sp.yosinfectum, Fusarium oxysporum, f.sp.yosinfectum, Fusarium oxysporum, f.sp.yosinfectum, Fusarium oxysporum, f.sp.yosinfectum, Fusarium oxysporum, f.sp.yosinfectum, f.s suffur dioxide, pollution effects, forest floor 5613. suffur mineralization, forests 126, suffur mineralization, forests 4611. suffur organic compounds formation, forests soils 5617. suffur organic ompounds formation, description, suffur oxidation, sand, soil, dunes, coastal environments 8968.

```
Soil-borne diseases, (continued)
                                                                                                                                                                                                                                                                                                                                                                                                 Solanum tuberosum, (continued)
experimental infection injection systems 4495.
gangrene. Phoma exqua, disease resistance 2070.
germplasm, disease resistance, wilt, Pseudomonas solanacearum 8090.
germplasm, plant breeding, disease resistance, soft rot, Erwinia carotovora 7210.
germplasm, viruses infection 8805.
           residues, Lyoopersicon esculentum 8872.
disease reservoirs, Pythium aphanidermatum, baiting substrates, seeds, Cucumis
sativus 8763
             fungi, interaction, endomycorrhizas, reviews 392.
Macrophomina phaseolina, Sclerotium rolfsii, disease control, solar radiation
2845.
                                                                                                                                                                                                                                                                                                                                                                                                             germplasm, viruses infection 8882 infected, potato virus X, potato virus S, benomyl effects on shoots tissue culture 8001.
           phytopathogenic fungi, biological control, suppressive soils induction, reviews 331
                                                                                                                                                                                                                                                                                                                                                                                                            infection, tomato yellow top virus, antigenic relationship, potato leaf roll virus, beet western yellows virus 8847.
late blight, Phytophthora infestans, disease control, fungicides, foliar
             phytopathogenic fungi, disease control, soil amendment, sewage sludge composts
          311
phytopathogenic fungi, disease control, suppressive soils 332.
phytopathogenic fungi, models, reviews 5402.
phytopathogenic fungi, suppressive soils 232.
phytopathogenic fungi, suppressive soils 230.
phytopathogenic fungi, suppressive soils 330.
phythium, biological control, eutomycorrhizas antagonism, Fagus 5513.
Pythium, Rhizoctonia solani, disease control, agricultural practices comparison fungicides, Phaseolis vulgaris 1210.
Rhizoctonia, disease control, composts, ornamental plants 6300.
Verticillium dahlae, pathogenicity, Gossypium hirsutum, association crop rotation 1149.
oolis.
                                                                                                                                                                                                                                                                                                                                                                                                          late Diignt, Phytophthora infestans, disease control, fungicides, foliar 
applications 8915.

late blight, Phytophthora infestans, disease control, metalaxyl, mancozeb 8926. 
late blight, Phytophthora infestans, disease control, use, ofurace 
controlled-release granules 286 
late blight, Phytophthora infestans, fungicides disease control 1214. 
late blight, Phytophthora infestans, pathogenicity, osspores production, 
induction, Phytophthora infestans, pathogenicity, osspores production, 
induction, Phytophthora directskier 8034.
                                                                                                                                                                                                                                                                                                                                                                                                             leaves infection, Phytophthora infestans, susceptibility, fertilizer applications
                                                                                                                                                                                                                                                                                                                                                                                                         2812. Isaves intection, "Priviporitional miestaris, susceptibility, termitzer applications 2812. Isaves intection," Priviporitional miestaris, susceptibility, potato virus Y 8836. metabolities, plant viruses, plant breeding 3858. metabolities, plant viruses, plant breeding 3858. metabolities, plant periodic plant period
  Solis, forests, sulfur organic compounds formation, soil microorganisms 5617.
  Solla (acid),
Rhizobium ieguminosarum var.trifolii nodulation, aluminum toxicity, trifolium
 Rhizobium ieguminosarum var.trifolii nodulation, aluminum toxicity, trifolium ropene 7279.
soli pH, soli chemistry, effects on Rhizobium leguminosarum var.trifolii inocutation, nodulation, Trifolium repene 7278.
soli pH, soli chemistry, effects on Rhizobium leguminosarum var.trifolii inocutation, nodulation, Trifolium repene 7278.
urea biodegradation, nitrification, heterotrophic bacteria 4671.
Vigna unguiculata Rhizobium, y radiation effects on 2951.
solis (calcareous), surveys, patch, plant diseases, Rhizoctonia solani 255.
solis (loem), surveys, patch, plant diseases, Rhizoctonia solani 255.
solis (podentia, soli microorganisms respiration association 2149.
nitrogen fixation, dentrification, fertilizers effects on 8232.
solis (salline), vesicular arbuscular mycorrhizas inoculation, growth stimulation, Giomus fasciculatum 5616.
solis (sandy),
                                                                                                                                                                                                                                                                                                                                                                                                             plant diseases, Verticillium dahliae, roots growth 5480.
post-harvest decay, soft rot, Erwinia, biological control, Pseudomonas putida
8112.
  Solis (aandy).

Solis (andy).

Pythium, Fusarium, root rot, Zea mays 1998.

rhizosphere microorganisms organic matter composting, effects on Sorghum vulgare roots 2121.
                                                                                                                                                                                                                                                                                                                                                                                                            potato common scab, Streptomyces 6283.

potato leaf roll virus infection, insecticides, disease control, Myzus persicae
             vesicular-arbuscular mycorrhizas spores levels, phosphate nutrient uptake, yield, 
Anacardium occidentale 7260.
                                                                                                                                                                                                                                                                                                                                                                                                                        2065
                                                                                                                                                                                                                                                                                                                                                                                                             potato leaf roll virus, pathogenicity, disease transmission, vectors, Myzus
  Solamargine, antifungal activity, leaves, Solanum aviculare 8307.
Solanacege, fungi infection, oxalic acid levels 6281.
host range, tomato yellow top virus 7180.
Solanapyrones, structure, Alternaria solani 8738.
                                                                                                                                                                                                                                                                                                                                                                                                            potato leaf roll virus, parhogenicity, disease transmission, vectors, Myzus 
persicae 4553.

potato leaf roll virus potato virus Y, disease transmission, role, Myzus 
persicae, Aphis gossypii 8023.

potato virus detection, use, enzyme-linked immunosorbent assay 8832. 
potato virus S transmission, cuthing instruments, greenhouses, crop fields 8008. 
Rhizoctonia solani, biological control, mycelia soil amendment, hyperparasitism, 
Verticillium bigutatum, Gliocladium roseum 2089. 
Rhizoctonia solani infection, biological control, Azotobacter chrococcum
                                                                                                                                                                                                                                                                                                                                                                                                          Rhizoctonia solani infection, biological control, Azotobacter chroococcum antagonism 2088.
Rhizoctonia solani pathogenicity, British Isles 2021.
ring rot, bacteria, disease resistance 4559.
ring rot, Corynebacterium sepe
  Solanum, plant breading, disease resistance, plant viruses 2837. potato spindle tuber viroid infection, pathogenesis 8849. Solanum aviculare, leaves, alkaloids, antifungal activity 8307.
  leaves, aikaloids, anatungal activity 6307.

Solanum gourlayi,

potato virus M disease resistance, inheritance 6294.

Solanum khazianum,

Fusarium wilt 1161.
Fusarum wilt 1161.

Solanum lacInlatum, glycoalkaloids, hydrolysis, Aspergillus 6155. glycoalkaloids, hydrolysis, Aspergillus 6155. glycoalkaloids hydrolysis, Aspergillus 6155. glycoalkaloids hydrolysis, Aspergillus 6156.

Solanum nigrum, var. Judalcium, plant diseases, potato virus Y, pathogenesis 6263. potato virus Y, pathogenesis 6263. potato virus Y, histopathology, characterization 8864.

Solanum nigrum var.nigrum, potato virus Y, histopathology, characterization 8864.

Solanum aparaipilum, disease resistance, Pseudomonas solanacearum, wilt, cross-resistance, Meloidogyne 8097.
                                                                                                                                                                                                                                                                                                                                                                                                          1155.
seed trealments, pathogens antagonism, siderophores, Pseudomonas 2831.
seedings, plant viruses, maintenance, symptoms, distribution 8865.
silver scurf, Helminthosporium solani, conidia production, media (culture) 8491.
soft rot, Erwinia carotovora subsp. atrosseptica, Erwinia carotovora subsp. atrosseptica, Erwinia carotovora subsp. atrosseptica, Erwinia carotovora subsp. atrosseptica, Erwinia carotovora Soft rot Erwinia, transmission (seed) 8870.
soft rot Erwinia, transmission (seed) 8870.
soft rot pathogenesis, Erwinia carotovora subsp. carotovora 4562.
Solanum tuberosum, meristent tip culture, plant viruses 3859.
spraing disease resistance, Denmark 8910.
stems, Erwinia carotovora subsp. carotovora, virulence, pathogenesis 2817.
structure, sclerotia, microtia, Verticullium dahliae 7936.
tissues, Corpheabctarium sepedonicum infection diagnosis 8869.
tubers, blackleg, Erwinia carotovora, disease control, heat treatments 1195.
tubers, callose growth, disease resistance, haustoria, Phytophthora infestans 2008.
 Solarum sucrense, 
germplasm, disease resistance, wilt, Pseudomonas solanacearum 8090. 
Solarum tuberosum, 
aggiutinins, interaction, lipopolysaccharides, extracellular polysaccharides, 
Pseudomonas solanacearum 6285.
                                                                                                                                                                                                                                                                                                                                                                                                            2008. 
tubers, crown gall tumors, indole-3-acetic acid treatment 8874. 
tubers, disease resistance, dry rot, Fusanum roseum 8826. 
tubers, glycoalkaloids levels, disease resistance, Rhizoctoma solani 8840. 
tubers, glyconic, Erwinia carotovora, Verticillium albo-atrum, Verticillium 
dahliae, potato virus X, beet western yellows virus, potato leaf roll virus 8031. 
tubers, potato virus X, potato virus A, enzyme-linked immunosorbent assay 
detection 4538. 
tubers, soft rot, Erwinia carotovora subsp. atroseptica, soil moisture, soil 
temperature 2818. 
tubers, suberin, depolymerization, esterase, infection, Fusarium salani f sp.nis.
           Pseudomonas solanacearum 6285.
Alternaria alternata pathogenicity, Israel 6284.
association, soli microorganisms, cross-reactivity, Corynebacterium sepedonicum, antisera, immunofluorescence, microscopy 7186.
blackleg, disease resistance, Enwinia carotovora subsp. atroseptica 2025.
blackleg disease resistance screening projects, Erwinia carotovora
subsp. atroseptica 5483.
        subsp. atroseptica 5483.
blackleg, effects on, growth, yield 2026.
blackleg, Erwinia carotovora subsp. atroseptica 2027.
blackleg, Erwinia carotovora subsp. atroseptica. Erwinia carotovora
subsp. carotovora, synergism, Verticillum dahliza witt, Fusarium roseum 7191.
blight, Pseudomonas solanacearum inoculation methodology 8871
cells, membrane potential, Phytophthora infestans infection effects on 2014.
cultivars, menstem tip culture, heat treatments, decontamination, potato virus X, potato virus S 8881 damping-off, Rhizoctonia solani, pathogenicity 282.
detection, potato leaf roll virus, potato virus Y, enzyme-linked immunosorbent assay 5883.
detection, potato spindle tuber viroid. hybridization, electrophoresis 8881.
                                                                                                                                                                                                                                                                                                                                                                                                            tubers, suberin, depolymerization, esterase, infection, Fusarium solani f.sp.pisi
8852.
                                                                                                                                                                                                                                                                                                                                                                                                 vaneties, plant breeding, disease resistance, potato virus X 884. 
Ventrollium dahliae infection, disease control, use, irrigation - metam+sodium, effects on yield 1209, yield, association, infection, potato virus X, potato virus Y, potato leaf roll virus, metribuzin foliar applications effects on 8019, yield, bacteria incolutium soil amendment effects on 8201.

Solar radiation, disease control.
                                                                                                                                                                                                                                                                                                                                                                                                            disease control, Lycopersicon esculentum, stem canker, Didymella lycopersici 2847.
          assay 5883.
detection, potato spindle tuber viroid, hybridization, electrophoresis 8861.
disease control, Phytophihora infestans, Pseudoperonospora cubensis,
cross-resistance, tungicides, metalaxyl 2894.
disease resistance, wift, Fusarium 1146.
disease transmission, Verticillium dahitae 7183.
dry rot, growth conditions, Fusarium 2030.
Erwinia carotovora soft rot, tubers, comparison, stems, Chile 2015.
```

2845

disease control, Plasmodiophora brassicae clubroot, Brassica oleracea, Brassica disease control, soil-borne diseases. Macrophomina phaseolina, Sclerotium rolfsii

Escherichia coli, pathogens reduction, irrigation water 9249

Solar radiation, (continued)
food drying, use, methanogenesis, digestion (anaerobic), food processing,
industrial wastes 7489.
heat treatments, water purification, contamination, pasteurization, water,
methodology 3225.
soil-furnigation, effects on crater disease, Triticum aestivum 8120.
treatment, effects on, soil, soil microorganisms 4618.
Solasodenone,
antiflugnal servicts (anaeconde)

antifungal activity, leaves, Solanum aviculare 8307.

antifungal activity, leaves, Solanum aviculare 8307.

Solesodine,
antifungal activity, leaves, Solanum aviculare 8307.

Solenopsis invicta,
biological control, pathogens, toxicity, Serratia marcescens, Pseudomonas
aeruginosa 5257.

Solenopsis richteri,
biological control, pathogens, toxicity, Serratia marcescens, Pseudomonas
aeruginosa 5257.

Solid phase methoda,
cecropin A synthesis 4732.
cerropin A synthesis 4732.
cerropin A synthesis 4732.
solid phase methods,
colid tumors,
Solid tumors,
Solid tumors,

Solid tumors, antitumor activity, structure-activity relationships, Microellobosporia grisea D-manno-D-glucan, carbohydrate composition, mice 4376.

Solid wastes, agricultural wastes, bark, composting 4099.
bacteria, fungi, viruses, disease transmission, Rodentia, Diptera, public health 2361.

2361.
composting 4081.
composting 4081.
composting 4081.
composting, developing countries 5835.
composting, ponds, nutrient sources, phytoplankton 6889.
composting, ponds, nutrient sources, phytoplankton 6889.
composts, soil amendment, switzerland 8392.
composts, soil amendment, effects on population levels, soil microorganisms 3972.
disposal, environmental hyglene, public health 2370.
fermientation, enzymatic activity measurements 545.
hospitals, microorganisms, contamination 4963.
sewage sludge, composting 3199.

Solubilization, methodology, Bacillus thuringiensis subsp.israelensis proteins crystals, toxicity, Aedes aegypti larvae 1859. phosphate, soli, fungi, phosphate-dissolving bacteria 2138. Solutions,

contact lenses, disinfectants, antifungal activity 5870. Solvents,

aqueous solutions, hydrodynamics, conversion, microorganisms 3687. conversion, immobilized cells, immobilized enzymes 141. effects on vesicular stomatitis virus infection, mammalian cells, cell culture

effects on vesicular stomatitis virus infection, mammalian cells, cell culture 2434.
pretreatment, lignocelluloses, celiulase hydrolysis 8683, protuction, carbohydrates fermentation, pulp mills, wood, Clostridium 5259, production, carbohydrates fermentation, pulp mills, wood, Clostridium 5259, production, Clostridium buryfricum, incoulum, methodology 664, production, immobilized cells, reviews 3575, role, DNA, ambibiotics binding 9175, steroids production, immobilized cells, Nocardia rhodochrous 3525.
Sonchus oferaceus, latent infection, Euphorbia lathyris, weeds, USA, Arizona 8044.
Sonication.

Escherichia coli, enterotoxins levels 1957. Sooty bark,

Cryptostroma corticale, population structure, life cycle, epidemiology, strains compatibility, Acer pseudoplantus 8190.

Sophora japonica, leaves, phytoalexins production, Helminthosporium carbonum inoculation 1131.

Sorble aeld,

orbic acid, effects on Aspergillus flavus aflatoxin B1 biosynthesis, in vitro 7095. effects on Aspergillus parasiticus, spores injuries, growth, aflatoxins biosynthesis 7042. effects on Byssochiamys nivea, biomass, patulin biosynthesis 6207. effects on thugi spores, germination, growth, thermal injury 1072. stimulation, Fusarium acuminatum 1-2 toxin biosynthesis, Aspergillus flavus aflatoxin B1 biosynthesis 2761.

Sorbitol, conversion, sorbose production, Gluconobacter oxydans 4358, inhibition ethanol fermentation, Saccharomyces cerevisiae 2678, preservatives, Baclius thuringiensis formulations, biological control, Choristoneura fumilierana 2667.
Sorbitol o-deate, umiferana 2667.
Sorbitol o-deate, umiferana 2667.
Sorbitol-o-phosphate dehydrogenase, purification, characterization, Escherichia coli 8555.

Sorbose, production, sorbitol conversion, Gluconobacter oxydans 4358.

Sorbus, host plants, fireblight, reviews 7166.

Sorghum,

host plants, treblight, reviews 716b.

Sorghum,
disease resistance plant breeding, fungi, viruses, bacteria 8897.
grain infection, fungi 7150.
juices, Fermentation, ethanol production, Yeasts 5302.
leaves, disease resistance, observation methods 5426.
nitrogen fixation, inoculation, Azospirillum brasilense 5661.
pc locus, gene expression, host-pathogen interactions, phytotoxins effects on,
Periconia circinata 4519.
seedlings, nitrogen cycle measurements, free-living bacteria 8967.

Sorghum bicolor,
Azospirillum inoculation, effects on yield 6367.
Azospirillum inoculation, effects on yield 6367.
Azospirillum inoculation, effects on yield 6367.
Sorghum bicolor,
Azospirillum inoculation, effects on yield 6367.
Sorghum bicolor, effects on yield 6367.
Sorghum bicolor, effects on yield 6

Sorghum bicolor, (continued) 8658.

8658. untrient uptake, nitrogen sources, ammonium sulfate, vesicular-arbuscular mycorrhizas effects on 8215. pathology, sheath biight, Sclerotium rolfsii, Gloeocerospora sorghi 4518. pathology, stalik rot, Fusarium bicolor 7966. Peronosclerospora sorghi downy mildew, disease control, crop rotation, tillage

soil aeration, carbon dioxide effects on symbiosis, Glomus macrocarpum 3937. vesicular-arbuscular mycorrhizas, nutrient uptake, soil aeration effects on 1256.

Sorghum vulgare,
roots, soils (sandy), clays, rhizosphere microorganisms organic matter composting
effects on 2121.

Hemileia vastatrix development, Coffea arabica infection 7185. Sorosporium apparaoi sp.nov., smut, Kyllinga triceps, India 2035

Arachis hypogaea, blight, Sclerotinia minor 5410.

Chrysanthemum norifolium, chrysanthemum stunt viroid detection 6261.

Prunus, canker, Pseudomonas syringae pv. syringae 274.

Zoa mays, root rot, stalk rot, role, Phialophora zeicola sp.nov. 264.

South America,

Cajanus printer difference.

South America, Cajanus cajan diseases, crop production, economic importance 7139. ethanol, production, fermentation, reviews 6108. Southern bean mosate virus, infection, incidence, Vigna unguiculata, USA, South Carolina 8777. strains isolation, pathogenicity, Vigna unguiculata, temperature role 2777.

Soy auce,
koj molds, spores inoculum production 196.
production, protoplast fusion, Aspergillus oryzae 4451.
production, role, α-amylase, proteinase, Aspergillus oryzae 3697.

production, role, a-amylase, proteinase, Aspergillus oryzae 3697.

Soybean milk, curd, Penicillium caseicolum fermentation, bromelain coagulants 7852.

flavor compounds, genetic engineering, nitrosoguanidine, mutagenesis,
Lactobacillus casei subsp.alactosus 3701.

Soybean mosaic virus,
disease resistance genes, inheritance, Glycine max 2853.
infection, Olycine max, disease transmission, Myzus persicae 1973.
infection, Olycine max, disease transmission, Myzus persicae 1973.
infection, Olycine max, offects on Bradythizobium japonicum modulation, nitrogen
flating 1740.

monocinella antibiodies production, bybridoma, use radiciomympassay, diagnosis.

monoclonal antibodies production, hybridoma, use radioimmunoassay, diagnosis, plant diseases 4998.

Soybeans,
+ corn, meals, fermentation effects on nutritive value, minerals, lactic acid bactena 5355.

meals, Aspergillus flavus aflatoxins production 3746.
meals, +corn meals, fermentation effects on amino acid composition, lactic acid

bacteria 5357. meals, Hinternation enects on animo acid composition bacteria 5357. meals, Rhizopus oligosporus fermentation, characterization 7016. Spacelotheca reillana, lipids production, carbon sources, nitrogen sources 1850.

lipids production, carbon sources, integers.

Spain,
Cicer arietinum, Ascochyta blight 3791.
Incidence, Haemophilus influenzae, clinical isolates, antibiotic resistance, ampicillin, chloramphenicol, antibiotic sensitivity testing 6420.
keratinophilic fungi, soli microorganisms 6358.
Spail, Microsporum gypseum mating types, ecological distribution 8980.
Sparsomycin,
analogs, antibacterial activity, peptidyl transferase, Escherichia coli 4740.
analogs, structure-activity relationships 6584.
Spartina atternitiora,
lignin, mineralization, fungi, role 1026.
lignocelluloses, biodegradation, microorganisms 2704.
lignocelluloses, lignin, polysaccharides, biodegradation, microorganisms 5305.
Spas,

Spas,

Spas,

Cicer arietinum, Ascochyta blight 3791.

lignocelluloses, iigimti, poyseconamento, acase reports, man 7530.

Spatial distribution,
Abies alba white rot, Collybia butyracea, Collybia maculata 4616.
glycine mortle virus new records, host range, classification, Glycine tomentella isolates, Australia 5404.

Sclerotium roffsii stem rot, Arachis hypogaea, crop fields, USA, North Carolina.
7134.

Species composition, bacteria, fouling organisms, marine environment 1040. fungi, orchards, Citrus 3930.

fungi, saprophytes, roots colonization, soil disturbance, soil amendment, mines 8230.

82-0.
fungi, soils, Nothofagus dombeyi forests, Argentina 3906.
Spark,
bacteria, disease control, mancozeb+cupric hydroxide, Lycopersicon esculentum

detection, use, phages, Lycopersicon esculentum 8823. Lycopersicon esculentum, factors affecting Pseudomonas syringae pv.tomato survival 276.

SUTIVIEI Z/D.

Seudomonas syringae pv.tomato, disease resistance genes, inheritance, Lycopersicon 2828.

Pseudomonas syringae pv.tomato, disease resistance, plant breeding, cultivars, Lycopersicon esculentum 1179.

Lycopersicon esculentum 1179.
Pseudomonas syringae pv.tomato, disease resistance screening projects, genetic analysis, Lycopersicon esculentum 5482.
Pseudomonas syringae pv.tomato, Lycopersicon esculentum, acid rain 4554.
Xanthomonas campestris pv.vesicatoria, disease resistance, plant breeding, cultivars, Lycopersicon 2829.
Spectinomycin, antibiotic resistance, Neisseria gonorrhoeae, characterization 2209.

an unuture resistance, recision a generalization of the properties of the properties

thermoplasmaquinone, menaquinone, Wolinella succinogenes 6894.

Spectrophotometry, α-L-arabinofuranosidase, Aspergillus fumigatus 837. aspartate carbamoyltransferase assays 937.

Spectrophotometry, (continued)
biassays, amphotericin B, Streptomyces nodosus 4857.
epidemiology, powdery mildew, Erysiphales 7917.
methodology, palladium detection, antibiotics 496.

methodology, paladnum uereulon, americuloci, methanogenic bacteria 8269. spectroscopy, anogenesis, digestion (anaerobic), methanogenic bacteria 8269. ylochrome d, redox potential, Escherichia coli 4273. methodology, bacteria proteinase activity 4213. monobactars, identification 2283.

N.M.R., muraceins, isolation, Nocardia orientalis 6805. structure, antibiotic OA-6129C, antibiotic OA-6129D, Streptomyces 7460. structure, chicamycin 6890.

Structure, chicamycin 6890, aniubulc 0x-01291, Streptomyces 7460. structure, restatin, Streptomyces dimorphogenes sp.nov. 1447. Spermidine synthase, Mycobacterium fortuitum, Pseudomonas aeruginosa, ethamburot, inhibition 7353.

Spermospora, disease control, fungicides applications, Lollum perenne, seeds yields 8108. Sphacelorum anthracnose, Vitis vinifera yield 2029.

anthracnose, Vitis vinifera yield 2029.

Sphaceloma empellnum,
foliar diseases, seasonal variations, Vitis vinifera 8016.

Sphacelotheca reillana,
head smut, inoculation equipment, Zea mays 254.
lipids production, factors affecting 5250.
smut, factors affecting incidence, Zea mays 8795.

Spheerosporella brunnea,
ectomycorrhizas, mycella, inoculation, seedlings, Pinus banksiana 7227.
ectomycorrhizas, Pinus banksiana 8162.
Sohaerotheca fulldinnea.

ectomycorrhizas, Prius banksiana 8162.

Sphaerotheca fullglinea,
3-phenyl-prop-2-yn-1-ols synthesis, antifungal activity 3059, powdery mildew, Cucumis saiiva, Czechoslovakia 3836.

Sphaerotheca pannosa, mildew, disease resistance, plant breeding, Rosa 8096, powdery mildew, disease resistance, plant breeding, Rosa multiflora 8904, powdery mildew, Prunus, disease control, fungicides, new records 339.

Sphaerotheca pannosa var.peralcae, powdery mildew, disease resistance, genetic analysis, Persica 4570.

Sphaerotheca pannosa var.rosae, races, isolation, virulence, Rosa cultivars 2807.

Spheerotitius, continuous culture, dissolved oxygen coefficients, determination methodology 668.

Sphagnum, hydrolysates, nutrient sources, Scytalidium acidophilum, single-cell protein, production 7879.

Spheroplasts,
membrane fusion, floculation activity, role fermentation, Saccharomyces
diastaticus, Saccharomyces cerevisiae 8637.
Spicellum roseum,
Tukibedoma rosesia, califulasa production, activity 3497.

Spicellum roseum, comparison, Trichoderma reesei, cellulase, production, activity 3497. 
Spices, antimicrobial activity, characterization, reviews 6492. 
essential oils, antifungal activity, growth, aflatoxins production, Aspergillus parastitus 7891. 
essential oils, antifungal activity, yeasts 8318. 
Salvia officinalis, essential oils, antibacterial activity 8719.

Salva Unichinas, Spike, Spike, Mycoplasma, pathogenesis, phytotoxins, Santalum album 8955. Mycoplasma, pathogenesis, phytotoxins, Santalum album 8955. Triticum aestivum, association, Corynebacterium michiganense subsp. Spin probes,
plasma membranes, immunoassays, detection, Neisseria meningitidis antibodies
3325.

nutrient requirements, oxalic acid, acetic acid, ozonation, wastewater treatment

4121. soil, Trinidad, Tobago 6359.

soil, Trinidad, Tobago 6359.

Spirocheatcasee,
microscopy, use, avidin biotinylated horseradish peroxidase complex 3283.

Spirocheates,
endotoxins, Limulus lysate test, Lyme disease 5385.
media (selective), isolation, Ixodes dammini, Lyme disease association 2494.
pectinolytic enzymes, isolates 6824.
6-Spirocyclopropyl penicillanates,
synthesis 6534.

Spiropiperfylyrifamycin,
new records, artibacterial activity, tuberculosis treatment, animal models 2282.
Solroplasma.

new records, antiseasements, processing and process

phroplasma cttrl, ambignes, Vinca rosea infection pathogenesis 1968. brittle root disease, cauliflower mosaic virus, turnip mosaic virus, infection effects on, Armoracia rusticana 8020. growth, media methodology 3296. provint, media methodology 3296. bost range, Barbarrea vulgaris, Brassica kaber, capsella bursa-pastoris 4557. isolation, yellows, X-disease, disease transmission vectors. Colladonus montanus, Scaphytopus nitridus 8070.

Spodoptera exigua, biological control, endotoxins, Bacillus thuringiensis subsp.kurstaki, biological control, use resistant mutant, U.V. radiation, temperature, Bacillus thuringiensis 6746.

Spodopter frugiperda, biological control, mortality, dose-response effects, mathematical models, bioassays, nuclear polyhedrosis virus 6901. epidermis cell culture, nuclear polyhedrosis virus replication, inoculum production, biological control 3249.

Spodoptera Ilttoralia

podoptera littoralia, biological control, Bacillus thuringiensis subsp.entomocidus 3564. biological control, Bacillus thuringiensis subsp. entomocidus 3563. biological control, endotoxins, Bacillus thuringiensis subsp. kurstaki, biological control, nuclear polyhedrosis vius 3571. biological control, nuclear polyhedrosis vius 3571. biological control, pathogenicity, synergism, chitinolytic bacteria, phagostrumulants, protection, U.V. radiation, Bacillus thuringiensis var.entomocidus 131. biological control, pathogens effects on hemolymph amino acids, Bacillus thuringiensis 6312. biological control, use resistant mutant, U.V. radiation, temperature, Bacillus thuringiensis 6746. biological control, use resistant mutant, U.V. radiation, predator-prey interactions, host-paragite interactions, predator-prey interactions, bacillus thuringiensis, Zele chlorophthalma, Paederus afferii, Egypt, Arab Rep. 128. larvae, biological control, use, Bacillus thuringiensis endotoxins 118. larvae, predator-prey interactions, biological control effects on, Bacillus thuringiensis 8645.

Spodoptera litura, Bacillus thuringiensis subsp.thuringiensis, dosage, effects on 6087.

Spollage, Spollage, aerobic bacteria, anaerobic bacteria, pasteurization, packaging, cold storage, aerobic bacteria, anaerobic bacteria, pasteurization, packaging, cold storage, shelf life, seafood, Crassostrea virginica 8720.

Agaricus bisporus, monophenol monooxygenase activity, browning, citric acid effects on 3705. Bacillus stearothermophilus, gas production, canned food, beans 6988. bacteria, acidification effects on growth, textured soy protein, beef, minced meat 6987.

hield 6967. bacteria, cured products, meat products, food processing 3708. bacteria, growth, packaging, storage, light effects on, pork 4465 bacteria, hydrogen sulfide, Gadus morhua 3689. bacteria, meat 3711.

cts on, pork 4465.

bacteria, meat 3/11.
bacteria, meat, books 4242.
bacteria, meat, refrigeration 3/12.
bacteria, milk, pasteurization, cold storage 1910.
bacteria, milk, pasteurization, sold storage 1910.
bacteria, milk produjet 6964.
bacteria, proledytic enzymes, milk, pasteurization, refrigeration, shelf life

6175. bacteria, sampling, methodology, meat 3715. bacteria, sampling, methodology, meat 3715. bacteria, sampling, methodology, meat 3715. bacteria, shelf life predictions, refrigeration, milk 6174. bacteria, steam pasteurization, freezing, seafood, Crassostrea virginica 5364. beer, bacteria, media (solation) 4192. beer, bacteria, media (solation) 4192. beer, bacteria, media (solation) 4192. beer, bacteria, weasts 5327. beer, Lactobacillus brevis, detection, media (isolation) 4414. cellulase, fung, calculum chlonde prevention, pickles, fermented food 8699. coliforms, off favor, organoleptic evaluation, shelf life, milk 4448. dough, bakery products, microorganisms 5326. eggs, bacteria, detection, automated methods, comparison organoleptic evaluation 1052.

Enterobacteriaceae, detection, Limulus lysate test, catalase production, luncheon meat 6967.

meat 6967. Eurotium amstelodami, Saccharomyces rouxii, water content effects on, mathematical models, apples 8877. food processing, bacon, ham 3709. fungi, corn, storage, preservation, ammonia+propionic acid 7025. gases composition, measuring techniques, canned food 6178. lactic acid bacteria, beer 1872. meat, bacteria, role food poisoning 3713.

meat, bacteria, role food poisoning 3713.
microorganisms, y adiation prevention, silage, zea mays 6202.
microorganisms, beverages, bottles, reviews 7872.
microorganisms, meat, books 1889.
microorganisms, tumbling effects on, ham 7857.
mik, coliforms, cold storage, pasteurization, lactoperoxidase 1912.
mik, cilimes, Klebsiella oxytoca, Pseudomonas aeruginosa 6176.
prevention, preservatives, sodium nitrite, sodium ascorbate, poultry, cured products 7886.

prevention, preservatives, socium intrite, socium ascorbate, poutry, cured products 7886.

Pseudomonas, Lactobacillus cellobiosus, vacuum packaging, films, oxygen permeability, mutton 5392, psychrotrophic bacteria, leaperature, shelf life, poutry, meat products 6972. Septimental products 6972. Septimental products of the product of the school of the product of the school of the product of the school of the product of the p

comparison, antibiotic K-4619, antibacterial activity 7479. Spore crystals,

Bacillus sphaericus, α-endotoxin, toxicity, larvae, Culex pipiens, Anopheles stephensi 3572.

stepnensi 3572.

Bacillus sphaericus, biological control, larvae, Culicidae 6917.

Bacillus thuringiensis, surface net, morphology, toxicity, biological control, Bombyx mori 2660.

Dompyx morr 2000.
inoculum production, use biological control, nutrient requirements, Bacillus thuringiensis subsp. galleriae 7601, toxicity, insecta, Bacillus thuringiensis subsp.darmstadiensis 6082.

Spore germination,

ipore germination,
Aspergillus nidulans, antifungal activity, IBP, dicloran 1222.
Bacillus, antibacterial activity, sodium citrate 7374.
Bacillus, Clostridium, inactivation, acids, food, reviews 7026.
Bacillus, enumeration, heat activation, milk agar, media (isolation) 1911.
Bipolaris victoriae, condida, soli tungistasis, role bacteria 8966.
chiamydospores, Fusarium oxysporum f.sp.cucumerinum, bacteria, fluorescence, cytolysis, effects on, soil 8227.
Chondrostereum purpureum, inhibition, integrated control, fungicides+Trichoderma viride, silver-leaf disease, pruning wounds, Prunus domestica 5588.
Clostridium botulinum, pH, salinity effects on 1899.
conidia, life cycle, Penicillium daleae, Penicillium bilaii, soil 8959.

Spore germination, (continued)
conidia, Verticillium lecanii, inhibition, carbaryl+iprodione, integrated
control, Aphididae 2654.

Cronartium flaccidum basidiospores, fluorescence brighteners effects on 2529 Cronartium flaccidum basidiospores, fluorescence brighteners effects on 2529. Erysiphe pisi, association, Pisum sativum resistance, comparison, susceptibility cultivars 245. Erysiphe pisi conidia, relationship, direct light, comparison, Pisum sativum leaves light penetration 2774. fungi, carbendazim, treatment, effects on, Saccharum officinale 8127. growth conditions, Thyronectria austro-americana 7634. Helminthosporium victoriae conidia, pure culture, comparison, soil fungistasis

Homobasidiomycetes, ectomycorrhizas, environmental factors, roots exudates effects on 2130.

emects on 2130.

Monilinia fructicola conidia, temperature effects on, in vitro, in vivo, fruits, Prunus persica, Prunus persica nectarina 7992.

Morchella esculenta, saprophagy, soil temperature 386.
mycorrhizas, organic acids production, agar, association, autoclaves, effects on 5934.

993-4.
Pseudocerocosporella herpotrichoides, eye spot, Triticum aestivum, factors affecting 7146.
Pyricularia oryzae, conidia, Inhibition, caffeic acid, superoxide, free radicals, role disease resistance, plant diseases 8689.
Pythium utimum, rhizosphere, Gossyplum hirsutum 1148.
sodium citrate, antibacterial activity, Bacillus stearothermophilus, canned food 7376.

Trichoderma hamatum, Trichoderma harzianum, Trichoderma viride, antifungal activity, metham, soil fumigation 9924. Trichophyton mentagrophytes, conidia, arthrospores, antifungal activity, imidazoles 5738. urediniospores, Melampsoridium betulinum, temperature effects on, rust, Betula

vesicular-arbuscular mycorrhizas, factors affecting, reviews 391 vesicular-arbuscular mycorrhizas, temperature effects on 402.

Aspergillus fumigatus, antifungal activity, iron(II), hydrogen peroxide, iodide 4014.

4014.
Aspergillus parasiticus, injuries, growth, aflatoxins biosynthesis, sorbic acid, propionic acid, effects on 7042.
Bacillus anthracis, identification, radioimmunoassay, methodology 677.

Bacillus, calcium, magnesium, release, sodium citrate antibacterial activity

T375.

Bacillus clostridium, resistance, chlorine, disinfection, food industry 6413.
Bacillus licheniformis, sterilization, canning, tomatoes 7033.
Bacillus licheniformis, sterilization, canning, tomatoes 7033.
Bacillus megaterium, radiosensitivity, oxygen levels effects on superoxide dismutase 4743.
Bacillus sphaenicus, tate, biological control, larvicides, ponds, Culex tarsalis, Anopheles franciscanus 1845.
Bacillus subtilis, bioassays, sterilization, dental manipulation, medical instruments 7545.
Bacillus subtilis, piedects on, bactericidal activity, peracetic acid 7550.
Bacillus subtilis, removal, ari filtration, fermenters 8504.

4055.

Bacillus subtilis var.niger, sterilization solutions, propylene oxide, chlorhexidine diacetate 4784.

Bacillus thuringiensis, protection, sunlight inactivation, biological control

Bacteria, hater resistance, mechanisms, food industry 6415.
bacteria, inhibition, antimicrobial agents, food industry 7028.
bacteria, inhibition, antimicrobial agents, food industry 7028.
bacteria, pathogens, aerosols, lammar air flow, safety cabinets 9262.
bacteria, resistance, hydrogen peroxide, food industry 6414.
Beauveria bassiana, survival, fungicides effects on, biological control,
Leptinotarsa decemlineata 2647.
Clostridium botulinum, radiation effects on 4468.
Clostridium gerfringens, spatial distribution, sediments, indicator species,
sewage, sediments, lakes 2388.
Clostridium sporogenes, media (culture) 4207.
Clostridium sporogenes, media (culture) 4207.

674. Colletotrichum gloeosporioides, production, fermenters, weed control, biological control, Aeschynomene virginica 3895. Colletotrichum lindemuthianum, cell adhesion, Phaseolus vulgaris, hypocotyls 3796.

3796.
dispersal, Eutypa armeniacae dieback, air-borne diseases, Vitis vinifera, Prunus armeniaca 1152.
dispersal, mathematical models, Bacillus thuringiensis 3544.
endomycormizas, culture, isolation, methodology 3358.
foliar applications, persistence, biological control, Bacillus thuringiensis, Gossypium 117.
fungi, bacteria, antimicrobial activity, alkyithiomethyl-isochinolinium chloride 9135.

9135

fungi, thermal injury, preservatives effects on, germination, growth 1072.

Glomus, Sclerocystis, soil, Israel 6337.

heat resistance, bacteria, food industry 7030.

heterobasidion annosum, samplers, catching methods, methodology 8488.

immobilized cells, progesterone hydroxylation, Aspergillus ochraceus 6048.

incoculum, production, soy sauce koji moldis 196.

microorganisms, heat sterilization 1368.

phytopathogenic fungi, discharges, phylloplane electrical properties, Phaseolus vulgaris, Zea mays 7143.

P314.

P315.

P315.

P315.

P315.

P315.

P315.

P316.

P316.

P316.

P316.

P317.

P316.

P317.

P316.

P317.

P316.

P317.

P318.

P3

7914.
Phytopathogenic fungi, discharges, phylloplane electrical properties, Phaseolus vulgaris, Zea mays 7925.
Phytopathogenic fungi, introduced species, quarantine, New Zealand 6329.
Phytopathogenic fungi, wind dispersal, modelling, crop fields, Hordeum vulgare

540.5

Phytophthora cinnamomi, Phytophthora parasitica, parasitism, Catenaria angulitulae, biological control, root rot, Citrus, Persea 5515.

Pisolithus tinctorius, inoculation, Coniferales roots, seedlings survival 5607.

Pisolithus tinctorius, inoculum, Pseudotsuga menziesii, Abies concolor, Abies magnifica var.shastensis 5579.

Spores, (continued)

powder, Bacillus thuringiensis, Bacillus sphaericus, biological control, Culex quinquefasciatus 6918. Pseudocercosporella herpotrichoides, dispersal, eye spot, Gramineae, inhibition, cellulose xanthate 8058.

Pseudocercosporella herpotrichoides, dispersal, rainfall, wind, eyespot, straw, Triticum aestivum 1997.

Triticum aestivum 1997.
Pseudocercosporella herpotrichoides, Pyrenopeziza brassicae, dispersal, rainfall, plant diseases 1109.
Ustiliago avena, imazalli, nuarimol, effects on ultrastructure 2889.
vesicular-arbuscular mycorrhizas, levels phosphate nutrient uptake, yield, soils (sandy), Anacardium occidentale 7260.
Sporticides, bacteria, reviews 1323.

sterility testing 1369. sterilization, autoclaves 7396

stenitization, autoclaves (39b. Sporabolomyces ruberflusion, characterization 2585. Sporacytophaga myxococcoides, cellulose biodegradation, fermentation, biomass measurements, monitoring, computer applications of 165. Sporalectobacilius, sporas, heat resistance, food industry 7030.

Sporothrix schenckil,

spores, heat resistance, food industry 7030.

Sporothrix schenckil,
identification, immunodiffusion 806.
isolation, swimming pools floors 580.

Sporotrichum cellulophilum,
Trichoderma reesei, penicillium, Thielavia terrestris, cellulase, physicochemical
properties, comparison 6008.

Sporotrichum pulverulentum,
biodegradation, olives food processing wastes, proteins production 871.
biodegradation, Tricum aestivum lignocelluloses 6943.
cellulase deficient mutant, lignin biodegradation, lignocelluloses 1886.
lignin biodegradation 1010.
mutants, cellulase, 8-D-glucosidase, overproduction, characterization 878.
single-cell protein production, fementation, industrial wastes, oilseed crops,
Olea eurapea 5114.
single-cell protein production, lignocelluloses biodegradation, pretreatment,
sodium hydroxide, hydrogen fluoride, steam 1712.
wastewater treatment, rotating discs, industrial effluents 2341.
Sporterichum thermophile,
cellulase, purification, characterization 4272.

Sporulation.

porusation, Alternaria carthami, induction methodology, media (culture) 4223. Bacillus licheniformis, correlation, a-amylase biosynthesis 1821. Bacillus sphaericus media (culture), growth, larvicides activity 127. Bacillus sphaericus, relationship, toxicity, Culex pipiens, larvae, biological

control 6089

Bacillus sphaeficus, relauoriship, unicity, curex pipieris, larvae, unicignal control follogical control, Culicidae 2656.

Bacillus sphaenicus, transformation, protoplast fusion, plasmid pUB110, plasmid pBC16, biological control, Culicidae 2656.

Bacillus subtilis, cytoplasmic membranes, proteins, purification, characterization 2555.

Bacillus subtilis, stringent response, antibiotics effects on 2242. biotyping, Frankia, actinorrhizas, relationship nodulation, Alnus glutinosa 8157. Cochiobolus sativus, overwintering, soil, crop residues 5420. Cronartium flaccidum, teliospores, uredinisopores, urvironmental factors effects on, infection, Vincetoxicum officinale 3927. Erysiphe pisi, association, Pisum sativum resistance, comparison, susceptibility cultivars 245. [giaspora margarita, vesicular-arbuscular mycorrhizas, roots colonization, pure culture, Lycopersicon esculentum 8481. incidence, rust disease resistance, Phaseolus vulgaris cultivars comparison 8082. keratinophilic fungi, soil, volatiles organic compounds production effects on 5648.

nedia (culture), Clostridium perfringens 6757.

Phytophthora cinnamomi, Rhizobium, effects on 7262.

promotion factors, detection methodology, Bacillus subtilis vegetative cells

3334

Pyrenochaeta lycopersici, induction methodology 1673. relationship, production, acetone, butanol, ethanol, Clostridium acetobutylicum

Septoria nodorum, growth stage, seasons, temperature effects on, Triticum aestivum 5432.

Survivin 342.5.
Streptomyces griseus, A-factor intracellular levels effects on 4846. 
temperature effects on, Bacilles iicheniformis 5974. 
vesicular-arbuscular mycorhizas, phosphate soil amendment induction, Paspalum 
vesicular-arbuscular mycorhizas, phosphate soil amendment induction, Paspalum

notation 2134.

Zoophthora radicans, temperature effects on, mortality, biological control, Thericaphis trifolii 1855.

Spot,
Beltraniella humicola, Punica granatum fruits, new records 2002.
Capsicum chacoense, disease resistance, Xanthomonas campestris pv.vesicatoria 4382.

4582
Kalanchoe blossfeldiana, bacteria, etiology 4555.
Leptosphaerulina trifolii, Trifolium repens 8781.
pathogenesis, Pseudomonas cichori inoculation, Pelargonium hortorum,
Chrysanthemum morifolium 4537.
Phizoctonia oryzae-sativae, Oryza sativa 5436.
Stemphylium vesicarium, pathogensis, Asparagus officinalis 8845.
veins, Carya illinoensis, Gnomina nerviseda, pathogenesis, epidemiology, disease
control, funigicides 1137.
Xanthomonas campestris, disease resistance, plant breeding, Capsicum annuum 8903
Xanthomonas campestris pv.vesicatoria, Capsicum annuum, chlorosis, ethylene
production 4546.

production 4546.

Xanthomonas campestris pv.vesicatoria, effects on yield, fruits, Lycopersicon esculentum 277.

Spot blotch, Spot blotch, Helminthosporium sativum, pathogenicity, host range, Panicum virgatum 2794.

disease resistance, Solanum tuberosum, Denmark 8910.

Spring viremia of carp virus,

ntigens detection, immunoperoxidasetest, fluorescent antibody test, organs, Cyprinus carpio 5888.

```
Sputum, contamers, tuberculosis, man, contamination, Mycobacterium tuberculosis 2417. cystic fibrosis, bacteria quantification, media (selective) 7588. fungi clinical isolates, time effects on culture 807. Sequaleme monoxygenese (2,3-epoxidizing), mibition, antifungal activity, natififine derivatives 8320. Sequaleme monoxygenese (2,3-epoxidizing), mibition, antifungal activity, natififine derivatives 8320. Sequaleme for curl virue, Companies (virue) sequalement of curl virue, Companies (virue) sequalement of curl virue, Companies (virue) sequences (virue) sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Staphylococcus, (continued)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               clinical isolates, β-lactamase, production, screening, media (culture),
methodology 3350.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          methodology 3350.

(Inical isolates, antibacterial activity, aminoglycoside antibiotics 7444. clinical isolates, antibacterial activity, bacitracin, vancomycin, oxacillin, gentlamicin, streptomycin 4052. clinical isolates, antibacterial activity, dibekacin 6541. clinical isolates, antibacterial activity testing 485. clinical isolates, methicilin, antibiotic sensitivity testing 485. clinical isolates, methicilin, antibiotic sensitivity testing 485. clinical isolates, moxalactam, antibioacterial activity 5768. clinical isolates, species dentification, antibiotic sensitivity testing 3078. contact lenses contamination, diary products, India, public health 1056. contamination, diary products, India, public health 1056. contamination, diary products, lendia, public health 1056. contamination, dairy products, species depending the products of the products o
Squash mosaic virus,
Squash mosaic virus,
Bemisia tabaci, disease transmission, epidemiology, Cucumis melo, Cucurbita pepo,
USA, California 3821,
Stachybotrys chartarum,
verrucarin J biosynthesis, media (culture) 7072.
             taining, acridine orange, detection, bacteria, blood culture 672, bacteria, ethicium bromide fluorescence, blood samples 5044, bacteria, taggella, methodology 1576, dental plaque, man 4968, detection, hemicellulose degradation, cellulolytic bacteria 1634, electron microscopy, Congo virus surfaces structure, models 5004, estracellular polymers, polysaccharides, bacteria 5060, fluorescein diacetate, hyphae, soil, Penicillium citrinum, Rhizoctonia solani 8983.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            test 1661.

drug resistance, plasmids spread, phages role 9070.
drug resistance, plasmids spread, phages role 9070.
enterotoxin A, enterotoxin B, production, purfication 1948.
enterotoxin B, multiple forms, purfication, characterization 2769.
enterotoxin B, detection, skin tests, guinea-pigs, methodology 233
enterotoxins, detection, extyme-linked immunosorbent assay 1947.
enterotoxins, food contamination, enzyme-linked immunosorbent assay 8737.
enterotoxins, passive reverse hemagglutunation, detection food contamination
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          7905.
enteriotxins, parification, characterization 8758.
febronectin interactions, leukocytes (polymorphonuclear) phagocytosis, clindamycin effects on 514.
food contamination, minced meat 203.
identification, aggluination, sildes, lectins 700.
identification, API test, methodology 3273.
identification, API test, methodology 3273.
identification, ags chromatography, computer programs 2498.
identification, methodology, API test 759.
identification, methodology, comparison 368.
identification methodology, comparison 368.
identification methodology, media (culture), novobiocin resistance 1318.
identification methodology, media (culture), novobiocin resistance 1318.
identification methodology, media (culture), novobiocin resistance 1318.
identification methodology (editure), incidence, catheters, polytef, comparison, polyvinyl chloride 3222.
indicator species, mortality, temperature, digestion (aerobic), sewage sludge 1485.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    7905
                    fluorescence, monoclonal antibodies, methodology, cytomegalovirus,
                  mulorescence, monocional antibodies, methodology, cytomegalovirus, identification, tissue culture 8441.

fluorescence, nuclei, fungi 5936.

fungi hyphae, wood, methodology 7631.

immunoelectrofocusing, identification, subacute sclerosing panencephalitis virus, immunoglobulin G, methodology 638.

immunoperoxidase test, +fibroblasts cell culture, herpes simplex virus detection 5002.
                                 5002
               5002.

5002.

malachite green, detection, bacteria, sewage treatment 2331.
membrane fittration, bacteria enumeration 9329,
methylene blue, acridine orange, Gram stain, bacteria, blood culture 703.
mycella, soil, phytophthora megasperma f.sp. glycinea 8203.
Mycobacterium boris visibility, methodology 8468.
Mycobacterium leprae, methodology 7582.
Mycobacterium leprae, reviews 3340.
Mycobacterium leprae, reviews 3340.
Mycobacterium leprae, reviews 3540.
Mycobacterium leprae, r
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       inclicator species, mortality, temperature, dipestion (aerobic), sewage sludge 1485.

HedS.

HedS.

HedS.

HedS.

HedS.

HedS.

HedS.

Hed S.

                                 coli 8559.
               coil 8559. phosphatase assays, bacteria 8610. rhodamine, fluorescence, membrane potential, live bacteria 5025. silver, DNA, RNA, viruses, methodology 654. silver nitrate, tumors, crown gall, plants 4534. tetrazolium blue, use, viruses plaque assay, oells transformation assays 9275. tetrazolium bromide, oospores, spore germination, viability 805. tetrace of the plants 4592. urine screening projects, bacteriuria 6784.
Stains, antisera-thorseradish peroxidase conjugate, bovine diarrhea-mucosal disease virus, detection, microscopy 4147. fluorescence, nuclear division, mitosis, Tulasnella araneosa 9330.
                  Erwinia chrysanthemi, klorocin disease control, Zea mays, tissues persistence 8929.
               8929.

Flusarium bicolor, pathology, Sorghum bicolor 7966.

Flusarium graminearum, overwintering, crop residues, disease reservoirs, USA, Minnesota, Zea mays 7967.

Helianthus annuus, Erwinia carotovora susceptibility association age, USA, North Dakota 2820.
                  Phoma lingam, disease control, vinclozolin, Brassica napus 2903. 
Phoma lingam, susceptibility, cultivars, Brassica napus 2814. 
Zea mays, role, Phialophora zeicola sp.nov., South Africa 264.
                  Helianthus tuberosus, inulin fermentation, ethanol production, Kluyveromyces marxianus 5298.
Standards,
antibiotics production, packaging, USSR 493.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          antibacterial activity, mangosin, derivatives, isolation, Garcinia mangostan 4783. 
antibacterial activity, penicilinase inhibition, effects on, association, Chicrophyta, Rhodophyta, marine environment 8305. 
antibacterial activity, penicilinase inhibition, effects on, association, Chicrophyta, Rhodophyta, marine environment 8305. 
antibacterial activity, periodis anatoges 2210. 
antibacterial activity, periodis anatoges 2210. 
antibacterial activity, pseudomonic acid 4727. 
antibacterial activity, promonic acid 6555. 
antibacterial activity, pyridine-2-azo-p-dimethylaniline cephalosporin, β-lactamase indicators 50-sia suaveolens, biphenyls, derivatives 9096. 
antibacterial activity, inframycin-oxacillin 8356. 
antibacterial activity, spices, Salvia officinalis 8719. 
antibacterial activity, spices, Salvia officinalis 8791. 
antibacterial activity, yiethormycin, fusidic acid, fluctoxacillin, fostomycin, vancomycin 7422. 
antibacterial activity, tenicomiycin, fusidic acid, fluctoxacillin, fostomycin, vancomycin 7422. 
antibacterial activity, tenicomiycin, cysicity, specific activity, synthetic sysamine, analogs 5787. 
antibacterial activity, tenicomiycin, subdict acid, fluctoxacillin, fostomycin, vancomycin 7422. 
antibacterial activity, tenicomiycin, cysicity, specific activity, synthetic sysamine, analogs 5787. 
antibacterial activity, tenicomiycin, specific activity, synthetic sysamine, analogs 5787. 
antibacterial activity, tenicomiycin, specific activity, synthetic sysamine, analogs 5787. 
antibacterial activity, tenicomiycin, specific activity, synthetic sysamine, analogs 5787. 
antibacterial activity, tenicomiycin, specific activity, synthetic sysamine, analogs 5787. 
antibacterial activity, tenicomiycin, specific activity, synthetic sysamine, analogs 5787. 
antibacterial activity, tenicomiycin, specific activity, synthetic sysamine, analogs 5787. 
antibacterial activity, tenicomiycin, specific activity, synthetic activity, synthetic sysamine, analogs 5787. 
antibacterial activity, specific activity, syn
Staphylococcus,
Actinoplanes, antibiotic A-16686, biological properties, antibacterial activity
                               6571
                  animal isolates, drug resistance 3996.
               antibacterial activity, amouticilin-clavulanic acid, antibiotic resistance 7438. 
antibacterial activity, ciprofloxacin 4745. 
antibacterial activity, ciprofloxacin, comparison, norfloxacin, nalidixic acid
          6465.
antibacterial activity, nitrofuran+bile acids 7358.
antibacterial activity, quinaldofur, penicillin, cow's milk, correlation, mastits, disease control, cattle 5773.
antibacterial activity, framyoin transport, phagocytes 7449.
antibiotic resistance, bactericidin, mechanisms, development 7329.
antibiotic resistance, cattle isolates 3041.
antibiotic resistance, cattle isolates 3041.
antibiotic resistance, dilution tests, micromethods, use, sodium chloride containing Mueller-Hinton agar 3012.
antibiotic resistance, ciliution tests, micromethods, use, sodium chloride containing Mueller-Hinton agar 3012.
antibiotic resistance, oxacillin, methicillin, detection, use, AutoMicrobic test 2207.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ambiotices 3122.
antibiotic FCE 2210 antibacterial activity 1431.
antibiotic MDL 19,592, antibacterial activity 1389.
antibiotic resistance, animal isolates, cattle, darries, antibiotics administration 430.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          administration 430. antibiotic resistance, ermC gene, ermD gene, gene regulation, role protein biosynthesis, ribosomes 6427. antibiotic resistance, erythromycin, reviews 9055. antibiotic resistance, gentamion uptake 9075. antibiotic resistance, mipenem, methiculin 4708. antibiotic resistance, mipenem, methiculin 4708. antibiotic resistance, resistance, artibiotic sensitivity testing, erythromycin, ctindamycin, gentamicin, letracycline 7424. antibiotic resistance, reviews 9060.
               2207.
antibiotic resistance, screening 7315.
antibiotic resistance, synthetic penillilins, methodology 3015.
antibiotic sensitivity testing, clinical isolates, mastitis, buffaloes 4810.
antibiotic sensitivity testing, photometry, computer applications 3076.
biliary tract infection, bile salts effects on antibiotics antibacterial activity
4042.
               blochemical characteristics, identication, association, coagulase, methodology
               cattle animal isolates, API test identification 3271.
```

Staphylococcus aureus, (continued) 1655. Staphylococcus aureus, (continued) taphylococcus aureus, (continued)
antibiotic sensitivity testing, equipment 3093.
antibiotic sensitivity testing, penicillin 9193.
antibiotic sensitivity testing, licarcilliniz-clavulanic acid 4786.
antibiotic sensitivity testing, licarcilliniz-clavulanic acid 4786.
antibiotic otlerance, oxacillin, dilution tests comparison 6435.
antibiotics antibiotics antibiotics antibiotics antibiotics antibiotics antibiotics antibiotics anticordial agent inmunosorbent assay methodology 1596.
antimicrobial agents, tissue culture, Peganum harmalia 1655.
identification, polymyxin susceptibility 6547.
inactivation, cooking, eggs 1050.
inactivation, poultry, cooking, microwave oven 1048.
inhibition, growth, role Maillard reaction products 7357.
₿-ionone, derivatives, retinol, antibacterial activity 6491.
killing, leukocytes phagocytosis, ansamycin antibacterial activity relationship 2298. antimicrobial activity, antimicrobial agents, tissue culture, Peganum harmala 8336.
antimicrobial activity, atranorine 4781.
antimicrobial agents antibacterial activity, urine specimens 3048.
vniseptics antibacterial activity, surfactants effects on 9261.
volenicidal activity, antibiotic sensitivity testing, antibiotic synergism, rifampicin, vancomycin 7413.
bactericidal activity, bacteriostasis, propolis 9093.
bactericidal activity, instibiotic sensitivity testing, dilution tests 7425.
bactericidal activity, providine-lodine 452.
bactericidal activity, povidine-lodine 452.
bactericidal phenotypes detection, Corynebacterium renale indicator species use 4883.
bactericatsasis, catecholamide, iron chelating agents 448. β-lactam antibiotics resistance, penicillin-binding protein affinity role β-lactam antibiotics tolerance 6418. β-lactamase, antibodies deactivation, guinacillin, cephaloridine substrates 5156.

B-lactamase biosynthesis, clinical isolates comparison 1813.
B-lactamase, role, antibiotic resistance, mezlocillin 3008.
latex agglutination, identification 5030.
lincomycin arbibacterial activity, enzymes biosynthesis inhibition 9197.
lipids, extraction methodology, lysostaphin use 7578.
lipids, extraction methodology, lysostaphin use 7578.
inpoteionic acid, release, cerimetazole, comparison, B-lactam antibiotics, antibacterial activity 1393.
media (selective) 5071.
membranes lipids metabolism, lipoteiohoic acid biosynthesis role 4266.
methicilin, antibacterial activity, ATP bioassays, alkanal monoxygenase (FMN-linkod) 4069. acterioran pienotypes detection, Corynebacterium format infludator species use 4883.
bacteriorstasis, catecholaride, iron chelating agents 448.
biotyping, contamination, poultry, food processing, meat industry 6179.
biotyping methodology 6762.
capsules polysaccharides, purification, characterization 6888.
carbapenems, antibacterial activity, structure-activity relationships 7461.
carcasses, birtfaloes 6199.
Carica papava, plant extracts antibacterial activity Staphylococcus aureus 2220.
cattle animal isolates, API test identification 3271.
cefmenoxime antibacterial activity, comparison, cefotaxime, moxalactam 1388.
ceffizatione antibacterial activity, agar diffusion test 1392.
cephalosporins antibacterial activity, agar diffusion test 1392.
cephalosporins antibacterial activity in 1899.
clinical isolates, B-lactamase levels, relationship, antibiotic resistance, heavy metals resistance 2203.
clinical isolates, antibiotic resistance, relationship, protein A biosynthesis 9054. (FMN-linked) 4069. (EMINIBIARIO) 4059.

methicillin, antibiotic resistance, disc-diffusion test, detection 7346. methicilin antibiotic resistance, in vitro, β-lactam antibiotics antibacterial activity 7343.

methicillin resistance 6436. methicillin resistance 6436.
methicillin resistance, AutoMicrobic test 4714.
methicillin resistance, diffusion tests 4712.
methi/hydrazine derivatives antibacterial activity 2219.
mice animal isolates, selection, penicillin antibiotic resistance 443.
most probable number 747.
norlfoxacin disc-diffusion test, bacteria, standardization 3047.
novobiocin susceptibility, agar media 1422.
nuclease, assays, identification 3353.
pathogenicity quantitation methodology, clinical isolates 786.
penicillin, antibiotic resistance, antibacterial activity, cefuroxime, cefotaxime
4826.
paticillin-hipting protein jestation 5110. 9054. clinical isolates, antibiotic resistance, West Indies 5707. clinical isolates, antibiotic sensitivity testing, antibiotic resistance, R factors characterization 9178. 9826.
peniciliin-binding protein, isolation 5110.
peptidoglycans detection, enzyme-linked immunosorbent assay methodology, penicilin administration association 3344.
peritonitis, disease control, U.V. radiation, decontamination, dialysis, man iscular scharacterization 3178.

Including solates, enzymes, purification, characterization, role, antibiotic resistance, penicillin G control solates, enterotoxina biosynthesis, antibiotic resistance 5165.

Clinical Isolates, enzymes, purification, characterization, role, antibiotic resistance 5165.

clinical Isolates, identification, latex agglutination, coagulase assays 2502.

coagulase biosynthesis, release 4339.

contamination, poutry meat products 1049.

conservations of the comparison of the comparison, oleandomycin, erythromycin, antibacterial activity 3121.

detection methicillin, antibiotic resistance methodology 6765.

detection methicillin, antibiotic resistance of coagulase test 7586.

dioxidine effects on cell membranes 8306.

disordiffusion test, use, Mueller-Hinton agar 3077.

distribution lest, use, Mueller-Hinton agar 3077.

dist clinical isolates, enterotoxins biosynthesis, antibiotic resistance, penicillin G 2199. 6718 6718.
phagocytosis, rifamycin interaction leukocytes 7450.
phagocytosis, viability, antibiotics, antibacterial activity, photometry, methodology 6771.
plant extracts, Cifruilius colocynthis, Corchorus depressus, Fagonia cretica, Lycium barbarum, antimicrobial activity 8339.
plasmids, antibiotic resistance, gentamicin, transposition 9066.
plasmids extraction micromethods 7599.
plasmids, mediation gentamicin antibiotic resistance 7327.
protein A, membrane filtration, infection diagnosis, herpes simplex virus, varicellar-zoster virus 5889.
protein A, radioactive labelling, use, radioimmunoassay association Bacillus anthracis A480 anthracis 8480. protein A, radioimmunoassay, enkephalin 1606. protein A, radioimmunoassay, enkephalin 1606. recovery, lado culture 584. recovery, laundry, methodology 5859. RNA polymerase (DNA-dependent), rifandin effects on 8358. septicamia detection, liquid culture methodology, man 2466. serum bacterioidal activity, antibiotic sensitivity testing, media comparison, infection, man 4788. serum bactencidal activity, anunoinci sensitivity resuing, mone comparison, infection, man 4788. spoilage, freeze-thawing storage effects on, beef, poultry 6975. survival, factor affecting, freeze drying, minced meat 7037. survival, freezing, motongo, pork+plaintains 7859. survival, pasteurization, cheese 1902. temperature, effects on, growth, beef 7029. thermal stability, coagulase 8565. toxic shock syndrome exotoxins biosynthesis, purification 3752. toxic shock syndrome toxins, biosynthesis, purification 3752. toxic shock syndrome toxins markers, detection methodology 1084. toxin B, X-ray crystallography 6214. c-toxin detection, enzyme-linked immunosorbent assay methodology 4186. triacylglycerol lipase, purification, characterization 7747. uttrastructure, growth, artibacterial activity, rifampicin, oxacillin 7448. Staphylococcus epidermidis, antibiotics resistance, animal isolates, cattle, dairies, antibiotics administration 430. antibiotic resistance, animal isolates, cattle, dairies, antibiotics administration 430. antibiotic synergism, rifamycin, antibactenal activity 8359. cattle animal isolates, API test identification 3271. cell adhesion, surfaces hydrophobicity, polymers, medical dressings 8428. clinical isolates, enzymes, purification, characterization, role, antibiotic resistance 5165. 1400.
gentamich anubuho serialitriy seaning quality acids, synergism, antagonism 4052.
growth, blood culture, correlation, hypertonicity, antibiotics 783.
growth, contamination, canned food, corned beef 6180.
growth, enterotoxins production, imitation cheese 5381.
growth inhibition, Allium sativum extracts antibacterial activity 4747.
growth, ptd. water activity, temperature, cheese 6960.
growth, storage, eggs 6969.
growth, toxins production, sodium chloride effects on 8760.
Helianthus annuus, trachyloban-19-oic acid, kaur-16-en-19-oic acid, isolation, antibacterial activity 4009.
5-hemolysin, amino acid sequence 5390.
hydrogen peroxide antibacterial activity mechanisms 4007.
identification, agglutination, slides, lactins 700.
identification, blood culture, agglutination tests 1625.
identification methodology, 5072.
identification methodology, thermonuclease activity detection, blood culture resistance 5165.
detection, Bactee test, comparison, lysis centrifugation, man 3313.
detection methodology, β-lactamase production relationship 3286.
identification methodology comparison 3308.
β-lactamase biosynthesis, clinical isolates comparison 1813.
novoblocin, antibiorit resistance, MS-2 system 434.
penicillin, antibiotic resistance, antibacterial activity, cefuroxime, cefotaxime 4826. peptide antibiotics biosynthesis, purification, biological properties 2258, peritonitis, disease control, U.V. radiation, decontamination, dialysis, man 6718.

Staphylococcus hominis,
catite animal isolates, API test identification 3271.

Staphylococcus hylicus,
identification, API test 719.

Staphylococcus Intermedius,
animal isolates, identification, biochemical analysis 3284.
β-lactam antibiotics antibacterial activity, agar diffusion test,

Staphylococcus Intermedius, (continued) β-lactamase effects on 9157.
Staphylococcus saprophyticus,

Staphylococcus asprophyticus, endo-gh-Nacotylquosaminidase isolation, characterization 4324. identification methodology 7571. identification methodology comparison 3308. identification, novobiccin resistance 4692. identification, union, embrodology 3306. novobiccin susceptibility, agar media 1422. L-phenylalanine conversion, phenethyl alcohol production, cheese ripening 6993. strains, urease biosynthesis 257. identification 4324. Staphylococcus simulans, endo-g-N-acetylglucosaminidase isolation, characterization 4324. Staphylococcus aylosus, skin microflora, antiseptics disinfection, animal models 4141.

accumulation, Brassica pekinensis, turnip yellow mosaic virus, infection, effects

accumulation, brasaica pekinensis, turnip yellow mosaic virus, infection, effect on 8863.
amylolytic enzymes pretreatment, sugars fermentation, ethanol production, Zymomonas mobilis 8663.
degradation products, use α-amylase assays, Aspergillus oryzae 7677.
degradation, 2,3-butanediol production, Aeromonas hydrophila 5226.
fermentation, enzymatic activity measurements, solid wastes 545.
fermentation, entanol production 8682.
fermentation, entanol production 8622.
fermentation, single-cell protein, Schwaniomyces castelli 1721.
fungi, utilization, Metroxylon sagu 8686.
hydrolysis, α-amylase, microorganisms, food industry 51.
hydrolysis, α-amylase, microorganisms, food industry 51.
hydrolysis, α-amylase, microorganisms, food industry 51.
hydrolysis, inflour, baking industries, α-amylase, fungi 198.
hydrolysis, immobilized enzymes, exo-1,4-α-D-glucosidase, purification, characterization, Aspergillus 3500.
hydrolysis, immobilized enzymes, exo-1,4-α-D-glucosidase, purification, characterization, Aspergillus 3500.
hydrolysis, paper, enzymes, fungi 49.
processing, immobilized enzymes, Aspergillus niger, Klebsiella aerogenes,
Bacillus coaqualans 111.
residuse, food industry, single-cell protein production, Aspergillus, Rhizopus,
Panciellium 1713.

residues, food industry, single-cell protein production, Aspergillus, Rhizopus, Penicillium 1713.

Penicillium 1713.
Zea mays, sweeteners production, immobilized enzymes, microorganisms 5188.
Starter cultures,
actinomycetes, yeasts, aroma, sausages 7858.
bacon, ham 3709.
cattle bile resistance, effects on viability, freeze-drying, malolactic
fermentation, wine, Leuconostoc oenos 6125.
cheese, books 5095.
dry yeasts 5399.
dry yeasts 5399.
drying, storage, viability, malolactic fermentation, wine, Leuconostoc oenos
7816.
farmented food, sausanas, nhape fir infection. Lagtobacillus plantarum 5333.

T816.
formented food, sausages, phage fri infection, Lactobacillus plantarum 5333.
growth, vitamins effects on, Leuconostoc oenos 5269.
lactic acid bacteria, inhibition Clostridium botulinum growth, packaging, films, oxygen permeability, luncheon meat 7023.
lactic acid bacteria, meat products 6961.
lactic acid bacteria, area production, organoleptic properties 1054.
meat production 5322.
methanogenesis, manure, waste treatment, methanogenic bacteria 2340.
Penicillium, meat products 7840.
Penicillium, meat products 7840.
Penicillium, meat products 7840.
Sausages 6188.
sausages, Lactobacillus 1900.
sherry production, Saccharomyoes 993.
Sireptococcus cremoris, intracellular proteinase, stimulation cheddar cheese ripening 193.
thermophilic microorganisms, competition, composting, bark 4103.
Statistical analysis, growth kinetics, batch culture, Candida utilis 800.
Steam, occupantination, Salmonella, feeds, chickens 1066.

decontamination, Salmonella, feeds, chickens 1066.

decontamination, Salmonella, feeds, chickens 1066. disruption, cell walls, lignocelluloses, cellulase, hydrolysis 5278. heat transfer, sterilizers, canning 7036. 
+ high pressure carbon dioxide, pretreatment, lignocelluloses, cellulase hydrolysis, crop residues 1748. 
pasteurzation, freezing, spoilage, Clostridium botulinum type E toxins production, seafood, Crassostrea virginica 5364. 
pretreatment, lignocelluloses, biodegradation, Chaetomium cellulolyticum, Sporotrichum pulverulentum, single-cell protein production 1712. 
pretreatment, straw, biodegradation, Chaetomium cellulolyticum, liquid culture 2696.

zono seed treatments, Lobelia erinus, disease control, Alternaria tenuis 2062. sterilization, Bacillus stearothermophilus indicator species, quality control, efficacy 476. Stearic acid,

solubility, biodegradability, microorganisms 6158. Steccherinum fimbriatum, soil, mycelia growth, development 401.

Steel,

corrosion, Desulfovibrio vulgaris, Vibrio anguillarum effects on 2722. surfaces, disinfectants antibacterial activity, Pseudomonas aeruginosa 5862. Stellaria,

tobacco ringspot virus, tomato ringspot virus 3818. hosts, toba Stem blight,

Stem blight.
Didymella bryoniae, Cucumis, benzimidazoles, resistance 1223.
Stempella bryoniae, Cucumis, benzimidazoles, resistance 1223.
Stempella bryoniae, Cucumis, Cucumis,

Helianthus annuus, Diaporthe helianthi infection, USA, Texas 3839. Hymphoxylon mammatum, Populus tremuloides, virulence, pathogenesis, disease

resistance 8174. Leptosphaeria maculans, post-pathogen interactions, cultivars, Brassica napus

Stem canker, (continued) 8040.

Phomopsis, Helianthus annuus 7194.

Stem pitting,

tomato ringspot virus, disease reservoirs, Taraxicum officinale, vectors, Xiphinema, USA, Pennsylvania, Prunus persica 8811.

Arachis hypogaea, Sclerotium roffsii, epidemiology, factors affecting 6239.
Cucumis sativus, Didymella bryoniae ascospores incidence 278.
Medicago sativa, disease control, benomyl, Sclerotinia 5527.
Phytophthora cinnamomi, Robinia pseudoacacia, new records, China, People's Rep. 369.

Phytophthora megasperma f.sp.glycinea, virulence, Glycine max, USA, New York

8776.

Phytophthora mexicana, Dieffenbachia maculata 1154, post-harvest decay, oranges, disease control, fungicides 5470. Phizoctonia, Pisum sativum, factors affecting disease resistance 1199. Phizoctonia solani, disease resistance, Pisum sativum, plant breeding 2852. Phizoctonia solani, Pisum sativum, disease resistance 1201. Sclerotinia solani, Gisease resistance, Pisum sativum, plant breeding 2852. Phizoctonia solani, Pisum sativum, disease resistance 1201. Sclerotinia sclerotiorum, Glycine max, agricultural practices effects on pathogenesis 1120. Sclerotinia prifoliorum, planting timing effects on, Cicer arietinum 5412. Sclerotinia trifoliorum, pathogenicity, inoculum density, Trifolium 2783. Sclerotium rofisii. Arachis hypogaea, spatial distribution, crop fields, USA, North Carolina 7134.

Stem rust, geographical distribution, association, genes, virulence, Puccinia graminis

geographical distribution, association, genes, virulence, Puccinia grammis f.sp. tritici 7972.

Puccinia graminis, inheritance disease resistance, Triticum aestivum 6293.

Puccinia graminis f.sp. tritici, disease resistance, Agropyron elongatum, transfer, recombination, Triticum aestivum 314.

Puccinia graminis f.sp. tritici, disease resistance, inheritance, Sr gene, Trucum aestivum 315.

Puccinia graminis f.sp. tritici, disease resistance, Puccinia helianthi induction, Triticum aestivum 293.

Puccinia graminis f.sp. tritici, epidemiology, disease resistance, Austria, Triticum aestivum 6244.

Puccinia graminis f.sp.tritici, hypersensitive response, lignin biosynthesis, Triticum aestivum 2059. Puccinia graminis f.sp.tritici, pathogenesis, disease resistance, Triticum aestivum genotypes 8885. Puccinia graminis f.sp.tritici, Triticum aestivum seedlings, linkage analysis

Puccinia graminis f.sp.tritici, urediniospores 2790.
Puccinia graminis f.sp.tritici, urediniospores, disease transmission, brome mosaic virus, Triticum aestivum 2789.

mosaic virus, Triticum aestivum 2769.

Puocinia graminis 1.sp. tritici, virulence genes, plant breeding, Triticum
aestivum, books 4239.

virulence genes, host-pathogen interactions, disease resistance genes, plant
breeding, Triticum aestivum 2859.

Stemphylum botryosum,
leafspot, Medicago sativa, Australia 5435.

Stemphylum botryosum,
stemphylo.:n I, X-ray crystalilography 1954.

Stemphylum drummondli ap.nov.,
imperfect state, Phiox drummondli leafspot etiology, Pleospora drummondii sp.nov.
2039.

Stemphyllum lycopersici, post-harvest decay, papayas, pathogenesis 1164. Stemphyllum vesicarium, spot, pathogensis, Asparagus officinalis 8845. Stemphyloxin I,

X-ray crystallography, Stemphylium botryosum 1954.

tems,
Aeschynomene indica, nodulation, Rhizobium physiology characterization 2155.
Erwinia carotovora soft rot, Solanum tuberosum, Chile 2015.
lesions, Pinus elliottii var elliottii seedlings, fusiform rust, Cronartium quercuum f.sp.fusiforme 7234.
Mentha piperiat, Verticillium dahliae distribution, disease resistance relationship 7204.
nodulation, Rhizobium, Aeschynomene 9010.
Phytophthora cinnamomi, lesions development, Phytophthora cinnamomi infection, philoem 3842.
Solanum tuberosum, Erwinia carotovora subsp.carotovora, virulence, pathogenesis 2817.

2817 2817.
Stenotaphrum secundatum,
Rhizoctonia brown patch, pathogenesis 1127.
white rol, detritus effects on pathogenesis, fungi 8785.
Steroochemistry,
penicillin biosynthesis pathway, Cephalosporium acremonium 6519.

Stereoselectivity, oxidation, phenanthrene, anthracene, Cunninghamella elegans 2188. Triacylglycerol lipase, hydrolysis, methyl-2-chloropropionic acid, esters production, Candida cylindracea 7769.

Stereospecificity, lactic acid, enantiomers production, use 2-haloacid dehalogenase 8517.

Stereum frustulosum, enzymes, biodegradation, wood, lignin 1022.

Stereum gausapatum, disease resistance, suberin characterization, defense mechanism, Quercus robur

biodegradation, coconuts fibers, Ascomyceles, Deuteromycetes, effects on 1031.

Stereum sangulnolentum,
decay fungi, wound infection, bacteria inhibition, Picea abies 7238.

Sterigmatocystin,
Aspergillus versicolor, post-harvest decay, distribution, Oryza sativa 8875.
conversion, Aspergillus parasiticus cell free system, aflatoxin B1 biosynthesis

identification, Penicillium food contamination cheese 7080

Sterility, air, filters, fermenters 8506

air, gases, membrane filtration, ferinenters 8505

Sterility, (continued) filtration, fermenters, conferences 9348. Sterility testing, Storage conditions torage conditions, anaerobic environments, Neisseria gonorrhoeae 735. carbon monoxide, prevention, post-harvest decay, grapes 8057. effects on Aspergillus Hauvus aflatoxins biosynthesis, Nicotlana tabacum leaves pharmaceuticals, veterinary medicine, membrane filtration, viruses 7395 effects on Aspergillus havus atlautomis biosynthesis, Nuclearia tabacum leaves 7092.

7092. effects on, Bacillus subilis, hexamethylene diamine, biodegradation 1007. effects on chickens feeds, mycoflora, affatoxins biosynthesis, accumulation 7094. pasteurized milk quality, heat treatments 8711.

wood, Quercus, survival, wilt, Ceraticoystis fagacoarum 8956. rilizers 1369 Sterilization, ternization, aratibiotics, radiation 1378. autoclaves, degradation, glucose ammonium tartrate, media (culture), liquid culture 8490. culture 8490.

Bacillus licheniformis spores, canning, tomatoes 7033.

bacteria, roviews 2236.

books 1695.

cycles, Bacillus subtilis var.niger spores, ethylene oxide resistance 4035.

ethylene oxide, medical equipment 1361.

ethylene oxide, medical equipment 8341.

food, books 4240.

glutaraldehyle 1382.
heat 1360.
heat, spores, microornanisme 1269. wood, ducties, Straw, ammonia treatment, biodegradation 6953. biodegradation, cellulolytic bacteria 6148. biodegradation, Chaetomium cellulolyticum, pretreatment, steam, ammonia, liquid culture 2596. culture 2696. biodegradation, kinetics, polysaccharides biosynthesis, microorganisms 7266. biodegradation, rumen microorganisms, chemical composition association 2695. biodegradation, soil microorganisms, chemical composition association 2695. biodegradation, soil microorganisms, interaction, carbon, nitrogen, agricultural ecosystems 2699. composts, fritcum aestivum, Vicia faba, thermophilic fungi 6168. decomposition, bacteria polysaccharides formation 6051. decomposition, nitrogenase activity measurement, soil 7292. decomposition, nutrient cycles, soil microorganisms, Hordeum vulgare 5683. digestibility, sheep, silage, urea treatment 1067. effects on, lactic acid bacteria acid production, silage fermentation, Zea mays 7873. glutariareinyle 1302.
heat, spores, microorganisms 1368.
hygiene, disinfection, breweries 7547.
ionizing radiation 1363.
medical instruments, dental manipulation, bioassays, inactivation, spores,
Bacillus subtilis, Bacillus stearchermophilus 7545.
merowave radiation, 16od, laminar air flow nosocomial environments, man 574.
olis, continuous culture, antibiotics production, fermenters 9154.
pharmaceuticials, fung, viruses 9144.
pharmaceuticials, microorganisms contamination, books 9343.
olymose, environmental hygiene 1516.
quality control, pharmaceuticials 9146.
soil, methodiopy 1268.
solutions, propylene oxide, chlorhexidine diacetate, Bacillus subtilis var.niger spores 476. 7873. [rementation, Chaefomium cellulolyticum, single-cell protein production, reactors, straw, Triticum aestivum 1771. [rementation, fractionation, Basidiomycetes 155. [rementation, yeasts biomass production 8526. [rementation, yeasts biomass production 8526. [rementation, yeasts biomass production 8526. [rementation proposition, soil microorganisms, leaching effects on 2942. [rementation 1045. [rementation 1045.]] fermentation 1045.

lignin biodegradation, Cyanthus 3653.
lignocelluloses fermentation, white rot, optimization, Triticum aestivum 1887.
lignocelluloses, sodium hydroxide hydrolysis, acid production, methanogenesis, methanogenic bacteria 9032.
mycotoxins identification, mycoflora, Oryza sativa 7093.
Oryza sativa, bagasse, microwave radiation pretreatment, cellulose, Trichoderma viride 5128. 476 4/16.
stentify testing 1369. synergism, ultrasound+heat treatment, Streptococcus faecium 4034. U.V. radiation 1384. ultrahigh temperature, food, reviews 7032. ultrahigh temperature, heat inactivation α-amylase, Bacillus stearothermophilus, Xanthomonas campestris, dairy products 6974. Oryza sativa, digestion (anaerobic), methanogenesis, effects on digestibility, cattle 7875. cattle 7875.

Oryza sativa, utilization, Trichoderma harzianum, production, single-cell protein, cellulase 3725.
residues, biodegradation, microorganisms, soil, factor affecting 7249.
soil amendment effects on Bradyrhizobium japonicum, population levels, rhizosphere, Glycine max 7282.
Triticum aestivum, Basidiomycetes pretreatment, lignin biodegradation 1009.
Triticum aestivum, benicelluloses, triticuroacettic acid hydrolysis, ytologe fermentation, ethanol production, Pachysolen tannophilus 8657.
+turnips, feeds, digestibility, inhibition cellulolytic bacteria, rumen, cattle 1920. stearothermophius, xanthomonas campesurs, carry process. Sterilizers, canning, steam, heat transfer 7036. Sterilizers, canning, steam, teat transfer 7036. Steroid reductase, steroid reductase, purification, characterization, Mycobacterium 5148. Steroid 47-dehydrogenase, isoonzymes, purification, substrate specificity, Corynebacterium 64. Steroids. acetic acid, Streptomyces albus fermentation 6049.
conversion, immobilized cells, Saccharomyces cerevisiae, Arthrobacter globiformis
104. Strawberry latent ringspot virus, disease transmission, Xiphinema diversicaudatum, plants 6272. Streak, 104.

microorganisms biosynthesis, books 2541., production, immobilized cells, Nocardia rhodochrous 3525, production, sterois conversion, immobilized cells, Mycobacterium phlei 4357.

Steroi composition, lipidis, production, 1hodotorula glutinis 5217.

Schizosaccharomyces pombe membranes, drug resistance relationship 3990.

224-Steroi methyltransferase, activity, azasteroi inhibition, kinetics, Saccharomyces cerevisiae 7718.

Sterois, biodegradation, Mycobacterium aurum, biosynthesis, progesterone. disease control, role, resistance association Eriophyes tulipae, Triticum aestivum 8075. Streams, factors affecting, microorganisms, biodegradation, Pseudotsuga menziesii. lignocelluloses 999. water pollution, sewage removal, aeration, water treatment 8410. Streptococcus, Actinoplanes, antibiotic A-16686, biological properties, antibacterial activity 6571 Sterots, biodegradation, Mycobacterium aurum, biosynthesis, progesterone, 1-dehydroprogesterone 946. 
Conversion, steroids production, immobilized cells, Mycobacterium phlei 4357. 
Glycine max, fermentation, Nocardia corallina, 19-norsteroids intermediates 1823. 
inhibitors, sieease control, scab, Ventrura inaequalis, Malus 3881. 
Stichococcus bacillaris, 4-dentifriging bacteria, nitrogen removal, rotating discs, wastewater treatment, industrial effluents, fertilizers 9236. animal isolates, mastitis, antibiotic resistance 9083.
antibacterial activity, ciprofloxacin, comparison, norfloxacin, nalidixic acid antibacterial activity, opronoxacin, cumpanson, 1988, 6485, antibacterial activity, Pseudomonic acids 6555, antibacterial activity, quinaldofur, penicillin, cow's milk, correlation, mastitis, disease control, cattle 5773, antibiotic MDL 19,592, antibacterial activity, 1389, antibiotic moststance, antibacterial activity, tyrothricin, gramicidin 7477, antibiotic resistance, antibiotic synergism, penicillin, streptomycin 444, antibiotic resistance, reviews 9060, antihiotic sensitivity testing, clinical isolates, mastitis, buffaloes 4810, antihiotic sensitivity testing, clinical isolates, mastitis, buffaloes 4810, antihiotic sensitivity testing, clinical isolates, mastitis, buffaloes 4810. antibiotic resistance, ambatelian activity, violation, streptomycin 444.
antibiotic resistance, arbibotic synergism, penicillin, streptomycin 444.
antibiotic sensitivity testing, clinical solates, mastitis, buffaloes 4810.
antibiotic sensitivity testing, clinical solates, mastitis, buffaloes 4810.
antibiotic sensitivity testing, photometry, computer applications 3076.
antibiotic sensitivity testing, use, tetrazolum blue 2083.
antibiotic tolerance 634.
antibiotic tolerance 634.
antipiotic tolerance 634.
API test, identification, methodology 3274.
boactericidal activity, micharword 3151.
bioassays, identification, clinical sapects, methodology 5075.
clinical isolates, antibacterial activity, dibekacin 6541
dairy starters, acid production, strans synergism, cheese 7866.
dairy starters, and production, strans synergism, cheese 7866.
dairy starters, mutants selection, streptomycin, antibiotic resistance 2730.
dairy starters, eviews 8710.
dairy starters, reviews 8710.
dairy starters, reviews 8710.
dairy starters, reviews 6710.
processed 6710. Stitoene, derivatives, antifungal activity 8309.
Stimulants, Candida tropicalis, activity, association, Streptomyces levoris levorin biosynthesis 2318.
Stimulators, Candida C Sumulators, anthracycline bisynthesis, differentiation, Streptomyces bikinensis, Streptomyces cyaneofuscatus 116.

Stoichiometry, coupling factor 1 subunits, use monoclonal antibodies, immunoelectron microscopy, Escherichia coli 3479. size distribution, Triticum × Secale cereale leaves, Puccinia recondita rust incidence 7955. Stone, microorganisms biodegradation, books 1683. Storage, blood vessels prosthetics, penicillin binding, effects on antibacterial activity 2418. 2418.

Chlamydia trachomatis, media (culture)+temperature effects on 5079. eggs, coliforms, Salmonella, Staphylococcus aureus, growth 6969. feces, effects on Salmonelia isolation 501-1, feeds, buildings, isolation, fungi pathogens 582. Hordeum vulgare grain, Pericillium isolation, identification 7197. packaging, effects on bacteria growth, spoilage 4465. phototropine bacteria, introgen (liquid), anaerobic conditions 4215. soil, anaerobic conditions, effects on soil microorganisms, use land reclamation cases. soil, and

indicator species, sewage sludge, ocean dumping, marine pollution 2389.

soil, vesicular-arbuscular mycorrhizas restoration, land reclamation, gravel pits 1253. starter cultures, viability, malolactic fermentation, wine, Leuconostoc oenos temperature, effects on coliforms enuneration, drinking water 564, wine, acetic acid bacteria succession 6134.

Streptococcus, (continued)
indicator species, survival, marine environment 2395.
indicator species, wastewater treatment 2342.
lactic acid bacteria, antibiotic resistance, phosphate, buffers, media (culture), Streptococcus faecium, (continued) plasmid pJK3 transfer, bacteriocins, biosynthesis, resistance 1418, sterilization, ultrasound+heat treatment, synergism 4034, triton X-100 resistance, penicillin, lysis 8352.

Streptococcus group A, agglutination antigens detection 1595, antigens detection, agglutination methodology, blood culture 2460, bacteriocin typing, identification, methodology 7616. Hyaluronidase production 4336. identification methodology, throat isolates, man 1669, isolation association, cotrimoxazole containing agar, atmospheric conditions 1666. effects on 5708. Levels was consistent association aquaculture, Hypophthalmichthys molifirx, Aristichthys nobilis 1463. macrolide antibiotics, antibiotic resistance, plasmids, host range 3025. media (selective) 773. media (selective) 7490. penicillin artibiotic tolerance, methodology 435. penicillin tolerance, screening methodology 1308. polysaccharides, hydrolysis, lungi dextranase 8679. proteolytic enzymes characterization, role, milk products production, reviews 96. public health, leachates, waste disposal, landfillis 3198. removal, inactivation, role, aluminum sulfate treatment, eutrophic environments 9252. effects on 5708. secz.
synthetic peptides, combined vaccines, Corynebacterium diphtheriae toxins, hepatitis B surface antigen, antibody response, mice 9219.
tetracycline, antibiotic resistance, conjugation, gene transfer, transposons tetracyclinie, anuboric resistance, conjugation, gene transfer, transposons 6431.

Streptococcus agalactiee,
animal isolates, mastitis, antibiotic resistance 9083.
cephalosponns antibacterial activity 9189.
cystine, reduction, antagonism, lactoperoxidase, thiocyanate, hydrogen peroxide, antibacterial activity 93058.
hemolysins, biosynthesis, characterization 3404.
hyaluronidase production 6540.
doentification, CAMP test, agglutination 9311.
media (culture), use, diagnosis, methodology 9325.
pigment biosynthesis, animal isolates, clinical isolates 144.
serotyping methodology 9322.

Streptococcus bovis,
identification methodology 3299.
media (isolation), membrane filtration, indicator species, water 5054. 6431 media (isolation), membrane filtration, indicator species, water 5054.

Strepto-occus cremoris,
backerdonis, artibacterial activity, role dairy starters 2311.
dairy starters, autolysis, media (culture) carbon sources effects on 2733.
dairy starters, caselin production 7861.
dairy starters, caselin production 7861.
dairy starters, freezing, viability 4450.
dairy starters, freezing, viability 4450.
dairy starters, prophages, DNA homology, lysis, phages 5335.
dairy starters, prophages, DNA homology, lysis, phages 5335.
dairy starters, problenase deficiency, use Cheddar cheese production 2731.
dairy starters, Strepto-occus lactis, proteinase deficiency, temperature
tolerance, lactic acid production 2732.
inhibition, hypoxanthine, hydrogen, milk, dairy starters 7863.
lactic acid production, growth, measuring techniques, dairy proteotars plasma membranes localization, role peptides, transport, proteolysis,
milk 1747.
starter cultures, intracellular proteinase, stimulation cheddar cheese ripening starter cultures, intracellular proteinase, stimulation cheddar cheese ripening Streptococcus diacetylactis, dairy starters, casein production 7861. Streptococcus durans, enumeration, identification, antibiotic susceptibility testing, sewage outfalls relationship 2256. renautionship 2293.
fermentation, cheese 3693.
fermentation, silage 7013.
indicator species, incubation temperature, isolation, sediments, marine
environment 8422. indicator species, includation temperature, isolation, seciments, mainter environment 8422.

Streptococcus faecatis, aminoglycoside antibiotics, rifampicin, vancomycin, antibacterial activity, ampicillin, vancomycin, N-formimidoyl thienamycin, antibiotic synergism, streptomycin, amikacin, sisomicin 4811. antibiotic synergism, streptomycin, amikacin, sisomicin 4811. antibiotic synergism, streptomycin, amikacin, sisomicin 4811. antibiotic activity, ciprofloxacin 4745. antibioticinal activity, pridinee-2-azo-p-dimethylaniline cephalosporin, β-lactamase indicators 501. antibiotic resistance, aminoglycoside antibioticis 7330. antibiotic resistance, aminoglycoside antibioticis 7330. antibioticis sensitivity testing 4808. antiseptics antibioacterial activity, surfactants effects on 9261. cephalosporins antibiotic sensitivity testing, media effects on 3095. clinical isolates, β-lactamase, association, antibiotic resistance, pencilini 7326. penicillin 7326. clinical isolates, antibiotic resistance, streptomycin, association, ribosomes 497.

endocarditis, animal models, antibacterial activity, gentamicin, ± meziocillin, ± ampicillin 4839.

fermentation, cheese 3693.

hydrolases, purification, characterization 8596.

identification methodology 3299.

indicator species, incubation temperature, isolation, sediments, marine environment 8422.

protein kinase, isolation, characterization 8558.

skin microfrora, antiseptics disinfection, animal models 4141.

tyrosine decarboxylase, assays, kinetics 93.

variants, enumeration, identification, antibiotic susceptibility testing, sewage outfalls relationship 2256.

Streptococcus feacular subsp. liquefactions, effects on yolk, physiochemical properties 6982.

Streptococcus feacular, antibiotic subsp. interesting is prevention, chickens 1064, antibiotic synergism, streptomycin, amiliacin, sisomicin 4811.

antibiotic synergism, streptomycin, amiliacin, sisomicin 4811.

antibiotic synergism, streptomycin, amiliacin, sisomicin 4811.

cephalosporins antibiotic sensitivity testing, media effects on 3095.

identification methodology 3299.

indicator species, incubation temperature, isolation, sediments, marine environment 346, inchese visited 4818. endocarditis, animal models, antibacterial activity, gentamicin, ±

isolation, luncheon meat, biodegradation 2727. lactic acid fermentation, kinetics, yield 6818.

identritication methodology, throat isolates, man 1669.
isolation association, cotrimoxazole containing agar, atmospheric conditions
1666.
throat infection, diagnosis, latex agglutination 693.

Streptococcus group B,
agglutination, Phadebact test 752.
antibacterial activity, penicillin triamycin 8361.
antibiotic tolerance, penicillin, rifamycin 8361.
antibiotic tolerance, penicillin, rifamycin 8361.
antibiotic senzyme-linked immunosorbent assay methodology, serum, man 3259.
antigens detection, agglutination methodology, blood culture 2460.
antigens detection, agglutination methodology, blood culture 2460.
antigens detection, purpme immunosorbent assay methodology, man 5065.
detection, identification, use pigments production 2475.
enzyme-linked immunosorbent assay 721.
Granada medium, media (selective) 3320.
identification, carbohydrates monoclonal antibodies analysis, latex
agglutination, immunoprecipitation 1629.
identification, detection, media (selective) +latex agglutination 1609.
identification methodology, thorat isolates, man 1669.
immunofluorescence, clinical isolates, detection, identification 2477.
B-lactam antibiotics susceptibility 1381.
meningitis, diagnosis, cerebrospinal fluid Phadebact test, man 3321.
Streptococcus group C,
antigens detection, agglutination methodology, blood culture 2460
antigens, identification methodology, throat isolates, man 1669.

Streptococcus group D,
antibiotics susceptible tystenin, media effects on 3095.
cephalosporins antibiotic sensitivity testing, media effects on 3095.
cephalosporins antibiotic sensitivity testing, media effects on 3095.
cephalosporins antibiotics susceptibility 1488.
enumeration, identification antibiotics usceptibility testing, sewage outfalls relationship 2256.
identification methodology 3299.
indicator species, microbial pollution, sewage effluents, hydrology, estuaries 6710.
norfloxacin drug sensitivity testing 9095. indicator species, microbial poliution, sewage emueris, hydrology, esti.
6710. norfloxacin drug sensitivity testing 9095.
recovery, blood culture 584.
urinary tract clinical isolates, identification, antibiotic sensitivity testing, methodology 3315.
Streptococcus group F, identification methodology, throat isolates, man 1669.
Streptococcus group G, antigens detection, agglutination methodology, blood culture 2460. bactericidal activity, gentamicin, antibiotic synergism, penicillin G, vancomycin, celotaxime 7423.
clinical isolates, antibiotic sensitivity testing 4814.
hyaluronidase production 8440.
identification methodology, throat isolates, man 1669.
Streptococcus group N,
dairy starfers, inhibition, milit 7862.
dairy starfers, phages contamination, reviews 210.
inhibition, hypoxamthine, hydrogen, milk, dairy starfers 7863.
plasmids, DNA, isolation, methodology 5026.
Streptococcus lactils, acetaldehyde 2.4-dinitrophenylhydrazone meas treptococcus factis, acetaldehyde 2.4-dinitrophenylhydrazone measurements, high-performance liquid chromatography 6927, agglutinins, dairy products, stalaning, immunoassays 3718. cloning vectors, transformation, lactose lac gene 6991. dairy starters, autohyologopanese activity 2576, dairy starters, autohyologopanese activity 2576, dairy starters, autohyologopanese activity 2576, dairy starters, enemproduction, flavorings, millik, buffalose 2736, dairy starters, fermentation, glucose, lactose, limiting lactors 6994, dairy starters, phage 646 (MLB) replication, Cheddar cheese production 4456, dary starters, proteinase deficiency, temperature tolerance, lactic acid production 2732. production 2732.
dairy starters, protoplast fusion, plasmids, lac plasmid 8702.
dairy starters, protoplasts production, use transformation 5952.
fermentation, cheese 3683.
fractions, phosphatidyl ethanolamine hydrolysis 1895.
growth, toxins production, sodium chloride effects on 8760.
lactose fermentation, characterization 1873.
lactose fermentation, plasmids curing, temperature effects on, media (culture) 7664.

Jactose genes, cloning, role, fermentation, milk 2739.

plasmid pSN conjugation, sucrose fermentation, nisin biosynthesis 3146.

plasmids, DNA, transformation, Streptococcus sanguis, lactose metabolism, antibiotic resistance 6990. plasmins, Dva. varistorimator, suspective and sugars fermentation, fusipactors and sugars fermentation, hydrogen peroxide bioaccumulation 2686.

Streptococcus lactis subsp.dlacetylactis, dairy starfers, autolysis, media (culture) carbon sources effects on 2733. dairy starfers, continuous culture, milk fermentation, yogurt production 6997. fermented milk products, india 4453. immobilized cells, production, 2,3-butanedione, acetoin, dairy industry 6992. plasmid pNP40, transformation, phage c2 resistance, nisin antibiotic resistance, dairy starfers 2196.

Streptococcus lactis subsp.lactis, dairy starfers, phages infection, isolation, characterization 5337.

Streptococcus multars, bactericidal activity, povidine-iodine 452. neuraminidase, purification, characterization 6005.

Streptococcus multars, activity, activity 4882, antibacterial activity, aminoglycoside antibiotics, lipids, potentiation 9181. antibacterial activity, drug synergism, zinc, hexetidine 5860.

Streptomyces, (continued)
antibiotic OA-6129D, antibiotic OA-6129E, structure, spectroscopy 7460.
antibiotic OM-173, taxonomy, production, antibacterial activity 2289.
antibiotic resistance see certain antibiotic resistance see certain (1914)
antibiotic St-1485A, biosynthesis, isolation, biological properties 1432.
antibiotics biosynthesis, ph levels 2246.
antibiotics biosynthesis, physicochemical properties, structure, antitumor activity, antibacterial activity 1441.
carbapeners structure 2300.
chymotrypsin inhibitors production 7658.
cloning vectors, antibiotics production 4845.
corks contamination, off flavor, wine 1870.
distribution, incidence, pasture, nematicides effects on 7295.
endo-1,3-β-D-glucanase production, carbon sources, agricultural wastes 3470.
genes cloning, B-D-galactosidase production 4393.
glucose isomerase, immobilized enzymes, mass transfer, mathematical models, reactors 5168. Streptococcus mutans, (continued) cytoplasm, proteins, electrophoresis 6806. dental caries, animal models, prophylaxis, endo-1,3-a-D-glucanase 4140. dental plaque, prophylaxis, sodium fluoride topical application, cancer patients dental plaque, proprijaxis, sodium nuorue topical application, care e 6730.

1,6-a-glucan branching enzyme, purification, characterization 27.
Deglucan sucrase, substrate specificity 6830.

1,3-a-D-glucan synthase, 1,6-a-D-glucan synthase, isoelectric focusing 28 28.
glucans biosynthesis 109.
glucans, biosynthesis, ribocitrin, inhibition 3155.
growth, acid production, fluoride, effects on, dental plaque 7554.
growth inhibition, relationship, microenvironments, chlorhexidine levels 1352.
polysaccharides biosynthesis, role extracellular enzymes 8616.
strbocitrin, effects on, glucans, biosynthesis, enzymes 3157.

Streptococcus pneumonisen,
antibiotic resistance, penicillin, methicillin, quality control, clinical
microbiology 4688.
antibiotic sensitivity testing, β-lactam antibiotics, rifampicin, vancomycin,
cotrimoxazole 6503.
capsules polysaccharides, enzyme-linked immunosorbent assay, immunoglobulin G,
immunoglobulin M 1662.
capsules polysaccharides, enzyme-linked immunosorbent assay, vancomes, antibody response, enzyme-linked
immunosorbent assay, children 682.
clinical isolates, antibiotic resistance, penicillin, chloramphenicol, USA,
Colorado 436. glucans biosynthesis 109 reactors 5168. reactors 5168. glucose isomerase, production, characterization 2618. L-glutamate oxidase purification, characterization 2574. L-glutamate oxidase purification, characterization 2574. histlinomycin, purification, structure, antihugal activity 3137. karabemycin biosynthesis, structure, antibacterial activity, gram-negative bacteria, qram-positive bacteria 1437. β-D-mannosidase, β-1.4-mannooligosaccharide biosynthesis, mannans bioconversion 1745. β-D-mannosidase, β-1,4-mannooligosaccharide biosynthesis, mannans bioconversion 1745.

By the property of the capsules polysaccharides, vaccines, antibody response, enzyme-linked immunosorbent assay, children 682. clinical isolates, antibiotic resistance, peniciliin, chloramphenicol, USA, Colorado 436. clinical isolates, identification, agglutination, Phadebact test 8465. clinical isolates, identification, agglutination, Phadebact test 8465. clinical isolates, moxalactam, antibacterial activity 5768. clinical isolates, serotyping, ambitotic sensitivity testing 9153. detection, respiratory tract, anaerobic conditions, incubation 5908. identification, Phadebact and States and Conditions, incubation 5908. identification, Phadebact and States 280.

Streptomyces albulus, antibiotic AN-3, biosynthesis, isolation, physicochemical properties, antibiotic AN-3, biosynthesis, isolation, physicochemical properties, antibiotic antibotic physicosynthesis, and antibiotic physicosynthesis, and antibiotic physicosynthesis, and antibiotic physicosynthesis, antibiotic AN-1, production, isolation, characterization 4059, chicamycin, production, isolation, characterization 6067, fermentation, acetic acid steroids 6049, glucosephosphate isomerase biosynthesis, shake culture 3520. L-lysine biosynthesis 4111, salinomycin production, lipids carbon sources, fermentation, aeration 4874. Streptomyces ambofaciens, 6-diazo-5-oxonorleucine synthesis 1443. Streptomyces antibioticus, Streptomyces ambofaciens,
6-diazo-5-coxonorileucine synthesis 1443.

Streptomyces antibioticus,
avermectin, inhibition, Mucor miehei, chitin, metabolism 6578,
oleandomycin piosynthesis, agitation, aeration effects on 2277,
oleandomycin production, optimization 2276.

Streptomyces auranticolor,
coccidiostats biosynthesis, structure, new records 2299.

Streptomyces aureofaciens,
air spora preservation, liquid culture methodology 3292,
aureomycin production, growth rate, sugar, carbon sources effects on
anhydrotetracycline oxygenase 4860.

Streptomyces avermittie,
avermectins production, anthelminthic agents 120.

Streptomyces bikinensis,
stimulators, anthracycline bisynthesis, differentiation 116.

Streptomyces braegensis,
antibiotic U-64846 biosynthesis, isolation, characterization, antibacterial
activity 4877. pill antigens, enzyme-inked immunosorbent assay methodology 1621.

transformation. Streptococcus lactis plasmids DNA, lactose metabolism, antibiotic resistance 6990

Streptococcus thermophilus, dairy starfers, acid production, temperature tolerance 6187. dairy starfers, acid production, temperature tolerance 6187. dairy starfers, acid production, use transformation 5952. dairy starfers, produplasts production, use transformation 5952. dairy starfers, protoplasts production, use transformation 5952. dairy starfers, protoplast production, see transformation, see activity 4877. Streptomyces carzinostaticus, neocarzinostatin, purification, characterization, ion-exchange chromatography neocarzinostatin, purification, characterization, ion-exchange chromatography 4374.

Streptomyces cattleya, immobilized cells, thienamycin production 5805. northienamycin, 8-epi-thienamycin, structure 1427. thienamycin production, immobilized cells 518.

Streptomyces cellulosae, endó-1,3-60-glucianase, isolation, characterization 2572. proteinase, perpited synthesis 7688. proteinase, purification, proteolysis 7691.

Streptomyces cinereocrocatus, fermentation, α-santonin hydrogenation, 1,2-dihydro-α-santonin production, stereochemistry 5245. hydrogenation, 2-demethoxydehydro-griseofulvin, stereochemistry 3112.

Streptomyces cinereus, potato common scab, Solanum tuberosum 6283.

Streptomyces cinerus, ponensin biosynthesis 6565.

Streptomyces clinamonensis, genetic engineering, monensin biosynthesis 6565.

Streptomyces clavuligerus, aspartate kinase defective mutant, diaminopimelic acid contents, antibiotics biosynthesis 2527.

-{L-carboxymethylcysteinyl-L-cysteinyl-D-valine substrates, penicillin analogs enzymatic synthesis 5776. esphalosporin C, chemical modification, 7α-hydroxycephalosporin C formation 3098. Streptomyces lydicus, biosynthesis 1420. Streptolysin O, Streptococcus pyogenes, role, false-positives, CAMP test bevoStreption, and thungal activity, Helminthosporium oryzae, Curvularia lunata 4869.
actiamyon, biosynthesis, association, 3-amino-5-hydroxybenzoic acid 1444.
air spora preservation, liquid culture methodology 3292.
alanine peptidase, active sites, binding, monobactams 4274.
L-alanosine, production, growth regulators, inhibition, motting, larvae, Leucania separata 7774.
D-alanyl-carboxypeptidase-transpeptidase, X-ray crystallography, β-lactam antibiotics binding 3457.
algacidin A, algacidin B, algicides, antifungal activity, antibacterial activity 3136.
4-amino-3-chloro-2-pentenedioic acid, production, isolation, characterization Streptococcus pyogenes, role, false-positives, CAMP test 5906. osoc. antagonism, Azospirillum lipoferum, Azospirillum brasilense, role inoculum surival, soil 4651, antagonism attibiotics biosynthesis, differentiation, inducers intracellular enthicotic biosynthesis, differentiation, inducers intracellular antibiotic MM 14201, production, purification, structure, antibiacterial activity 3136.

Streptomyces clavuligerus, (continued)
cephams biosynthesis, regulation, carbon sources, aeration 3097.
cephem, production, carbon sources, regulation 6522,
isopenicillin N-epimerase, purification, characterization 1819.

Streptomyces coelicolor, antibiotics antibacterial activity, calcium inophores 2296.

RNA, DNA, purification methodology 8472.

× Streptoverticillium mycoheptinicum, recombination, antibiotics biosynthesis x Streptoverocium myconepunicum, recombination, antibiotics biosynthesis.
7411.

Streptomycea coeruleorubidus,
auramycinone conversion, biosynthesis, 11-hydroxyauramycinone,
9-methyl-10-hydroxydaunomycin 955.
miniatomycin production 4377.

Streptomycea collinus,
air spora preservation, liquid culture methodology 3292.
potato common scab, Solanum tuberosum 6283

Streptomycea corchorusil,
biosynthesis siomycin 3128.

Streptomycea cremeus ausbap.tobramycini,
tobramycin biosynthesis, media nutrients 2313.
tobramycin production, culture conditions 4064.

Streptomycea cyaneofuscatus,
stimulators, anthracycline bisynthesis, differentiation 116.

Streptomycea disastrochromogenes,
-1-arabinoiruronosidase, substrate specificity, kinetics 4295.

Streptomycea dimonphogenes,
artibiotic Ro 09-0766, antibiotic Ro 09-0768, structure
5794. 7411

Streptomyces ethinomycin production, emulation amount in the control of the contr

erythromycin biosynthesis, incorporation, carbon, oxygen 7452.

erythromycin A, erythromycin B, high-performance liquid chromatography, fermentation 3111.

Streptomyces flavogriseus, cellulase, characterization, biotechnology 5192.
cyanocycline A derivatives, antitumor activity, antimicrobial activity 2640. production, xylose isomerase, endo-1,3-P-D-xylanase, hemicelluloses hydrolysis, sodium hydroxide, bagasse, Lolium 5186.

Streptomyces flocutus, streptomyces flocutus, streptomyces flocutus, streptomyces fradlae, glucose isomerase production, temperature, U.V. radiation, mitomycin C, acriflavin, effects on 8598.

neomycin biosynthesis pathways 4051.
tylactone, biosynthesis, ammonium inhibition 3138.
tylosin, biosynthesis, ammonium inhibition 3138.
tylosin, biosynthesis, ammonium inhibition 3138.

tylosin biosynthesis, ammonium inhibition 3138. tylosin, biosynthesis pathway, tylocatone intermediates 6574. tylosin, structure activity relationships, antibacterial activity, ribosomes binding 3172. 
Streptomyces fulvoviridis, carbapenems, biosynthesis, taxonomy relationship 2302. 
Streptomyces galbus, antibiotics biosynthesis, nutrient requirements, optimization 4875. 
antibiotics, purification, characterization, antibacterial activity, antifungal activity 4881.

antibiotics, purification, characterization, antibacterial activity, antifungal activity 4881.

Streptomyces galliesus, aclacinomycin A biosynthesis, 953.

Streptomyces glivotonareus, glivocarin derivatives biosynthesis 954.

Streptomyces glisus, trypsin like enzymes, light sensitization, use electronic equipment 66.

Streptomyces globisporus, succiny-falminopiomelate desuccinylase, purification, characterization 5137.

Streptomyces granaticolor, air spora preservation, liquid culture methodology 3292.

β-D-glucosidase enhancement, role, methyl-β-D-glucoside, cellobiose 4345.

RNA polymerase purification 4327.

Streptomyces griseoflavus, biosynthesis, streptovingdins, N.M.R., structure 533.

Streptomyces griseolincarnatus, antibiotic AN-7 production, isolation, characterization 4061.

Streptomyces griseoviridus, proline hydroxylation, reaction solutions, pH, temperature 5109.

Streptomyces griseos griseus, antagonism, biological control, Dutch elm disease, inoculation, Ulmus americana 25091. anthracycline antibiotics biosynthesis, differentiation, inducers intracellular

anthracycline antibiotics biosynthesis, differentiation, inducers intracellular levels 6068.
antibiotic resistance, streptomycin production 1310. baflomycin biosynthesis, isolation, structure, antibacterial activity, antifungal activity 4873.
cephamycins, biosynthesis, antibacterial activity 6518. cephamycins, biosynthesis, media (culture), composition, effects on 6517. A-lactor, intracellular levels, effects on streptomycin biosynthesis, energy charge, sporulation 4864. interaction, Alternaria solani leaf blight, Capsicum annuum 2007. lysis, Candida pseudotropicalis, Geotrichum candidum, single-cell protein production 6815. biosynthesis, intermediates, nonactin, homononactic amacrolide antibiotics biosynthesis, intermediates, nonactin, homononactic a

macrolide antibiotics biosynthesis, intermediates, nonactin, homononactic acid

Streptomyces griseus, (continued)

6575,
potato common scab, Solanum tuberosum 6283,
proteinase, measuring technique, feeds proteins levels 6047,
serine proteinase profeinase inhibitor complex. X-ray crystallography 20,
streptomycin production, industrial applications 91771,
streptomycin production, peptidoglycans precursors bioaccumulation 4847,
streptomycin production, trehalose bioaccumulation 4848,
streptomycin, production, tunicamycin, inhibition, cell wails, biosynthesis,
effects on 2273.

Streptomyces griseus aubsp.cryophilus, mutants, peniciliin N, carbapenems, biosynthesis pathway 4837. Streptomyces griseus aubsp.sulphurus, bafilomycin structure 8372.

Streptomyces priesus subsp.caprintus, bafilomycin structure 9372.

Streptomyces halistedil, leucanicidin, structure 9217.

Streptomyces halistedil subsp.deltae, carbomycin A corversion, deltamycin A production, structure 5786.

Streptomyces hydrogenans, 20je-hydroxysteroid dehydrogenase, crystallography, X-ray diffraction 6834.

Streptomyces hygroscopicus, bialaphos, bioassays use 5905.

Iniamycin biolide antibiotics biosynthesis 4799.

Iniamycin biolide antibiotics biosynthesis 4799.

Interpretation of the streptomyce hydroxystallogenes, biosynthesis, neocopiamyca A utility alignment of the streptomyces hydroxystallogenes, biosynthesis, neocopiamyca A utility, artifitying activity, artifitying activity act

Streptomyces ipomoea, disease resistance, ipomoea batatas, screening projects 4583. Streptomyces Iverini, peptide antibiotos complexes, echinomycin+triostin A 4058. Streptomyces lactamdurans,

cephamycins biosynthesis, antibacterial activity 6518.
cephamycins, biosynthesis, media (culture), composition, effects on 6517.
defective mutant, cephamycin C, biosynthesis, characterization 8380.

defective mutant, cephamycin C, biosynthesis, characterization 8380.

Streptomyces lavendulise,
cholesterol oxidase ion-exchange chromatography 4307.

Streptomyces levoris,
levorin biosynthesis, association, Candida tropicalis stimulants activity 2318.

Streptomyces lincolnenisis,
lincomycin production, disc-diffusion test 7445.

Streptomyces longisporoflavus,
potato common scab, Solarum fuberosum 6283.

Streptomyces lydicus,
chandramycin, production, purification, characterization, antibacterial activity,
chandramycin, production, ourification, characterization, antibacterial activity.

chandramycin, production, purification, characterization, antibacterial activity

9202.

streptolydigin biosynthesis 1420.

Streptomyces macromomyceticus,
auromomycin, macromomycin structure, X-ray diffraction 6558.

Streptomyces maghwi sp.nov,
taxonomy, roflamycoin biosythesis 2314.

Streptomyces nodocus,
amphotericin B bioassays, spectrophotometry 4857.

Streptomyces noglirensis,
antibiotic AN-201, production, isolation, structure, antibacterial activity 3134.

Pourseimycin isolation, antimurcibial activity 2307.

Streptomyces noursel, nourselinguin, isolation, antimicrobial activity 2307. 
streptothricin biosynthesis, relationship arsenic acid resistant mutant 6572. 
streptothricin biosynthesis, relationship phosphate inhibition, arsenic acid resistance 7470. 
Streptomyces olivaceus, olivarica acids, structures 6579. 
Streptomyces olivaceus, sivarica acids, structures 6579. 
Streptomyces olivacenerus, xylose isomerase immobilization methodology 5170. 
Streptomyces phaseochromogenes, immobilization, radiation polymerization, glucosephosphate isomerase activity 6027.

inimobilization, radiation polymerization, generalization, radiation polymerization, generalization, comparison, glucose isomerase, immobilized enzymes, D-glucose, isomerization, bioreactors, characterization 7746, radiation polymerization, immobilization, glucose isomerase activity 5178, xylose isomerase, immobilized enzymes, kinetics 70.

Streptomyces plicatus, + Alcaligenes mixed culture, nitrosofungin biosynthesis, isolation, antifungal activity 2297.

Streptomyces prunicolor,

activity 2297.

Streptomyces prunicolor,
antibiotic FR-900109, biosynthesis, mass spectroscopy, antibacterial activity,
gram-negative bacteria 1435.

Streptomyces pulveraceus subsp.fostreus,
antitumor antibiotics, sicolation, structure, characterization 2639.
antitumor antibiotics production 2639.

Streptomyces ravidus,
ravidomycin, antibacterial activity, macromolecules biosynthesis, Bacillus
subtilis 4864.

Streptomyces refulineus.

ravidomycin, antibacterial activity, macromolecules biosynthesis, Bacill subtilis 4864.

Streptomyces refuineus, anthramycin biosynthesis pathway, models, reviews 4375.

Streptomyces ribosidificus, mutants, ribostamycin, production 3163.

Streptomyces rimosus, oxyletracycline, production, continuous culture 4056. ultrastructure, proteinase, extracellular enzymes, production 6882.

Streptomyces rochel, streptomyces rochel, streptomyces rochel, streptothricin biosynthesis, lysine role 3131.

Streptomyces roseofulus, immobilized cells, xylose isomerase activity 71.

Streptomyces rutgersensis, lysozyme characterization 6006. lysozyme production, cultural characteristics 941. lysozyme, purification, characterization, C.D. 3458. serine productions, cultural characteristics 941. lysozyme, purification, characterization, C.D. 3458. serine prodelienase, phenyimethylsulfonyl fluoride dyflos inhibition 2584.

Streptomyces scabonii, nematicides 1325.

Streptomyces setonii, nematicides 1325.

Streptomyces setonii, nematicides 1325.

Streptomyces setonii, nematicides 1325.

Streptomyces showdoensis, terferol, inhibitors, structure, 3':5'-cyclic-nucleotide phosphodiesterase 3585. terferol production, 3':5'-cyclic-nucleotide phosphodiesterase inhibitors 3567. Streptomyces sloysensis subsp.tanegashimeensis, antibiotic FR-900336, isolation, characterization 6566. Streptomyces spheroides, novobiocin, proteinase, biosynthesis ratio 6573. U.Y. radiation induction mutants, biosynthesis, extracellular proteinase, fibrinolysis role 5583. Streptomyces aumanensis.

Streptomyces sumanensis, qostatin, isolation, characterization, aspartate aminotransferase inhibition oostatin, isolation, characterization, aspartate aminotransferase inhibition
1724.
Sireptomyces endee,
mutants, nikolmycin biosynthesis 4065.
nikiomycin peptide synthesis, N-terminus, use amino acids synthesis 8377.
Streptomyces tubercidicus,
tubercidin, high-pressure liquid chromatography 4378.
Streptomyces venegatus sp.nov.,
biosynthesis, a-hydroxyketopentaenes antibiotics, antibacterial activity,
antifungal activity 2309.
Streptomyces venegatus sp.nov.,
hioramphenical biosynthesis, nitrate, ammonium effects on 8355.
chloramphenical biosynthesis, nitrogen sources metabolism regulation 4854.
chloramphenical biosynthesis, nitrogen sources metabolism regulation 4854.
chloramphenical production, methyl a-glucoside effects on 4053.
Streptomyces violacecra,
L-glutamate oxidase, biochemical characteristics 3483.
Streptomyces violochromogenes,
arugomycin, biosynthesis, arithumor activity 960.
Streptomyces violochromogenes,
ultrastructure, proteinase, extracellular enzymes, production 6882.
Streptomyces virgilae,
7459.
vegilampica biosynthesis 1423.
Streptomyces virlofasva,
candidon, structure 2303.
Streptomyces virlosporus,
protoplast fusion, enhancement, biodegradation, lignin 2702.
Streptomycetes,
lignin biodegradation, reviews 7829.
Streptomycic painal isolates, mastitis, Streptococcus agalactiae,

lignin biologisadativit, retreas ruce.

Streptomycii,
antibiotic resistance, animal isolates, mastitis, Streptococcus agalactiae,
Staphylococcus aureus, Streptococcus 9083.
antibiotic resistance, mutants selection, dairy starters, Streptococcus 2730.
antibiotic resistance, Ractors transfer, Staphylococcus aureus 9044.
antibiotic resistance, Staphylococcus aureus, relationship protein A biosynthesis antibiotic resistance, Streptococcus faecalis, clinical isolates, association,

ribosomes 4697.
antibiotic resistance, transposon Tn5, mediation, Escherichia coli, Rhizobium

meliloti 7336.

meliuiu 7-3-0. aratbiotic sensitivity testing, dilution tests, Mycoplasma, animal isolates, chickens 3087. antibiotic sensitivity testing, Mycobacterium tuberculosis, radiometry 3051. ± , antibiotic synergism, antibacterial activity, Pseudomonas aeruginosa

natibiotic synergism, N-formimidoyl thienamycin, antibiacterial activity, Streptococcus faecalis, Streptococcus faecium 4811. antibiotic synergism, penicillin, Streptococcus antibiotic resistance 444. antifungal activity, in vitro, Pyricularia oryzae, disease control, blast, Oryza sativa 7215.

antibufice synergism, penicillin, Streptococcus antibiotic resistance 444. antifungal activity, in virto, Pyricularia or ozzac, disease control, blast, Oryza sativa 7215. antifungal activity, Phytophthora infestans, cations effect on 7379. biosynthesis, Streptomyces griesus. Actor effects on 4846. containing liposomes, phagocytosis, antibacterial activity, Escherichia coli infected macrophages 513. disease control, crown gall, Malus pumila 343. disease control, crown gall, Malus pumila 342. disease control, crown gall, motostocks, Malus pumila 343. disease control, crown gall, motostocks, Malus pumila 342. disease control, crown gall, motostocks, Malus pumila 343. disease control, crown gall, motostocks, Malus pumila 342. disease grasitivity testing, drug resistance, Mycobacterium tuberculosis 4717. drug sensitivity testing, drug resistance, Mycobacterium disease spraed, vicia taliant, motostocks, motostocks, Malus pumila 342. disease grasitivity testing, drug resistance, Mycobacterium gallus pumila 343. disease control, publid

Streptothricin,

biosynthesis, arginine radioactive labelling, N.M.R., Streptomyces 6569. biosynthesis, lysine role, Streptomyces rochei 3131. biosynthesis, relationship arsenic acid resistant mutant, Streptomyces noursel 6572.

biosynthesis, relationship energy metabolism, arsenic acid resistance, phosphate inhibition, Streptomyces noursei 7470. Streptothricin F, biosynthesis, Streptomyces, β-lysine, formation 4844.

Streptoverticillium, production, 6-lactamase inhibitors, screening 3082.

Streptoverticillium mycoheptinicum, phospholipase C inhibitor, purfication, characterization 7672, phospholipase C inhibitor, purfication, characterization 7672.

Strentomyces coelicolor, recombination, antibiotics biosynthesis 7411.

pnospholipase C inflicitor, purification, trainacterization zone xione x

biosynthesis, mildiomycin D, structure, antifungal activity 8373. Streptovirudin,

high-performance liquid chromatography 1425.

association, tunicamycins, corynetoxins, biological activity, structure 523. N.M.R., structure, streptomyces griseoflavus, biosynthesis 533. Stringent response, Bacillus subuliis, sporulation, antibiotics effects on 2242.

Stripe,
Cephalosporium gramineum, planting dates effects on, yield, USA, Kansas, Triticum aestivum 7974. Stripe rust, disease resistance, inheritance, growth stage, vegetative cells, Triticum hybrids

2886

Puccinia striiformis, disease control, seed treatments, fungicides, triticum aastivum 2904. 
Puccinia striiformis disease resistance, gene transfer, plant breeding, Triticum dicoccoides Y Triticum durum, Triticum aestivum 3860. 
Puccinia striiformis, disease resistance, genes, chromosomes location, Triticum aestivum 2804. 
Puccinia striiformis disease resistance, genes, chromosomes location, Triticum aestivum 2804.

Puccinia striiformis, disease resistance, inheritance, plant breeding, Triticum

54/6. Puccinia striiformis, Triticum aestivum seedlings, linkage analysis 258. Puccinia striiformis, Triticum aestivum, USA, Pacific Northwest, models 252. Stropharia aeruginosa, soil, mycelia growth, development 401.

Stropharla rugoso-annulata, cultivation, soil 6995.
Structural proteins,

African swine fever virus, purification, use enzyme-linked immunosorbent assay 1547.

nalysis, influenza virus, parainfluenza virus, erythrocytes adsorption 5887. characterization, calcivirus identification 1735. cytoplasmic polyhedrosis virus, purification, characterization, isolates, Heliothis armigera 3422.

Stunt.

tunt,
Cynadón dactylon, Clavibacter gen nov. isolates, characterization 6240.
Gypsophila paniculata, mycoplasma-like organisms 3847.
pathogenesis, morphology, Humulus lupulus 8045.
Spiroplasma, growth, media methodology 3266.
Spiroplasma, transmission, Euscelditus yahregatus vectors, Sinapis alba, Pisum sativum, Raphanus sativus, Spinacia eleracea 8030.

sativum, Raphanus sativus, Spinacia ®eracea 8030.
Spiroplasma, vectors host range, Dalbulus longulus 7960.
Stylosanthes capitata,
anthracnose, Colletotrichum gloeosporioides, pathology 7932.
Sub-alpine environments,
Abies balsamea, soil nittriication, methanol extracts inhibition, proteins binding effects on 2909.
Abies balsamea soil, nitrification, phenols inhibition 2908.

Suberin, characterization, defense mechanism, Quercus robur, disease resistance, Stereum

Azospirillum rhizosphere, Gramineae, Mexico 4634. Succession,

ectomycorrhizas inoculation, seedlings, roots colonization, spatial distribution, soil, Betula 5556. ectomycorrhizas, spreading, spatial distribution, fruit bodies, Betula pubescens 5557.

rain forests, nitrogen cycle, Costa Rica 4612.

Succinic acid, furnaric acid, conversion, Campylobacter, Clostridium, Streptococcus, detection, gas chromatography, methodology 794.

Succinivibrio dextrinosolvens,

growth, fermentation, chetomin, effects on 2315.

Succinyl-CoA synthetase (ADP-forming),
5'-p-fluorosulfonyloenzoyi adenosine chemical modification, association ATP, ADP
binding sites, Escherichia coli 1758.

Succinyl-diaminopimelate desuccinylase,
Streptomyces globisporus, purification, characterization 5137.

Sucroad-

ucrose, conversion, mixed culture, methanogenic bacteria, bacteria, methanogenesis, immobilized cells 2182. dietary intake, effects on dental plaque removal, man 4969. dietary intake, effects on dental plaque removal, man 4969. effects on dehydration resistance, Saccharomyces cerevisiae 1047. fermentation, enhanol production, monitoring, computer applications, immobilized cells, Saccharomyces cerevisiae 6143. femmentation, sensors 350.

fermentation, Streptococcus lactis plasmid pSN conjugation, nisin biosynthesis

fermentation, Zymomonas, ethanol production, reactors 153. hydrolysis, B-D-fructofuranosidase, kinetics, pH, temperature effects on, soil 6332. hydrolysis, viscosity effects on, β-D-fructofuranosidase, Saccharomyces

cerevisiae 8535

leaves, content, Phaseolus vulgaris, relationship, disease resistance, tobacco mosaic virus infection 8886. production, industries, hydrolysis, starch, dextran, α-amylase, dextranase, bacteria 53.

+whey liquid culture, production, use, Leuconostoc mesenteroides 8474.

carbon sources, effects on growth rate, anhydrotetracycline oxygenase, aureomyci production, Streptomyces aureofaciens 4860. fermentation, lignocelluloses hydrolysis, cellulase, reviews, microorganisms

lipids production, Tolyposporium ehrenbergii, Sphacelotheca reiliana 5250. Sugar beets, fermentation, single-cell protein production, Trichoderma album 1716.

Sugars,

dgers, 2,4-dinitrosalicyclic acid, lignocelluloses hydrolysis 8680. bagasse hydrolysates, use carbon sources, fermentation 8677. fermentation, ethanol, cellulose hydrolysis, cellulolytic enzymes, cost-benefit analysis, Trichoderma reesei 5299. fermentation, ethanol production, amylolytic enzymes pretreatment, starch,

Zymomonas mobilis 8663. fermentation, ethanol production, cost-benefit analysis, tubers, Beta vulgaris 8656.

fermentation, ethanel production, immobilized cells, Saccharomyces cerevisiae 6130.

fermentation, ethanol production, Maillard reaction, Saccharomyces cerevisiae

fermentation, ethanol production, wood hydrolysis, enzymes, acids 7814. fermentation, lactic acid bacteria identification methodology 4198. fermentation, lactic acid, Lactobacillus celloblosus, beans, juices, Glycine max

fermentation, Streptococcus lactis, hydrogen peroxide bioaccumulation 2686, gas chromatography, flour fermentation, fermented food, Uji, lactic acid bacteria

production, lignocelluloses hydrolysis, cellulase, kinetics, models 3474, production, bagasse hydrolysis, Trichoderma reesei cellulase 1808. production, lignocelluloses biodegradation, Termitomyces clypeatus 3527.

isolation, pure culture, methodology, nutrient requirements, reviews 829. spore germination, organic acids production, agar, association, autoclaves, effects on 5934.

Sulllus bovinus, ectomycorhizas, mycelia, spreading, colonization, nutrient transport, roots, Pinus sylvestris 5573.

Sulllus granulatus,

ectomycorrhizas, effects on translocation, carbon sources, nitrogen sources, photosynthesis, Pinus taeda 5572. ectomycorrhizas formation, Coniferales seedlings, high-altitude environments, mines 5547.

ectomycorrhizas, inhibition, mancozeb, paraquat, non-target organisms, seedlings, Pinus sylvestris 5570. effects on growth, photosynthesis, Pinus contorta 5538. trees inoculum production methodology, reviews 830.

trees inoculum production methodology, reviews 830.

Suillus luteus,
ectomycormizas, fruit bodies formation, environmental factors, plantations,
"Pinus radiata 5571.

Sulllus plorans, inoculation, Pinus cembra, methodology, reviews 831

inoculation, Puns Cembra, memorangy, Sulbactam, Sulbactam, Harmicellin antibacterial activity, agar diffusion test quality control 4834. +ampicillin, antibacterial activity, Escherichia coli, Klebsiella aerogenes 4843. cefsulodin, antibiotic synergism, antibacterial activity, Bacteroides 6512. clavulanic acid, antibiotic synergism, antibacterial activity, Acinetobacter calcoaceticus 4792. service de la companio del companio de la companio de la companio del companio de la companio del companio de la companio del compani

Sulbenicillin, β-lactamase hydrolysis, pH role, Bacillus cereus 4277.

disease control, Phytophthora parasitica root rot, Lycopersicon esculentum 5532.

disease control, rryupninora parasina. Sulfamethoxazole, drug resistance, clinical isolates, Escherichia coli 4004. drug resistance, plasmids, clinical isolates urinary tract, Escherichia coli 2204.

Suffanilamido-naphthoquinones, derivatives, synthesis, antitibaercular agents, antibacterial activity, Mycobacterium tuberculosis 5724. Suffate,

by-products, sulfur production, Chlorobium thiosulfatophilum 3977. calcium sulfate, conversion sulfur, mixed culture, Desulfobacter+Chlorobium limicola f.sp.thiosulfatophilum 5693.

removal, wastewater treatment, digestion (anaerobic) 4899. Sulfate reduction,

bacteria, monitoring, radioactive labelling, methodology 3346.

Sulfate-reducing bacteria,
antibacterial activity, sulfur containing chemical compounds 1322.

Sulfate-reducing bacteria, (continued)
bloodes, antibacterial activity, use, oil and gas industry 1299.
corrosion, pipes, oil and gas industry, reviews 8411.
and gas industry, biodeterioration, equipment, contamination, oil 6665.
Sulfnydyl groups, inhibitors, p-chloromercuribenzoic acid, effects on hemicellulase, hydrolysis, hemicellulose, Cephalosporium sacchari 4354.

Sulfide,

industrial effluents, toxicity, methanogenic bacteria, digestion (anaerobic) 1483. minerals, oxidation, thermophilic bacteria, acidophilic bacteria 416.

media (culture), Candida utilis 5935.

Sulfite liquor,

fermentation, Candida 6169

termentation, cancina 6189.

Germentation, single-cell protein production, Candida utilis 7671.

fermentation, single-cell protein production, monitoring, computer applications, Candida utilis 5966.

fermentation, single-cell protein production, Pekilo process, monitoring,

computer applications, Paeciomyces variot 5968, monitoring, computer applications, Paeciomyces variot 5968 fementation, single-cell protein production, Pichia labacensis sp.nov. 6816. Pekilo process, single-cell protein production, biomass measurements, Paeciomyces variot 5965.

Sulfobacillus thermosulfidooxidans,

copper leaching, industrial wastes 7301 Sulfolobus acidocaldarius,

dibenzothiophene oxidation 8675.

Sulfonemide,
treatment, urinary tract infection, bacteria, man 2212.

Sulfonamides, drug resistance, clinical isolates, Haemophilus influenzae, Haemophilus parainfluenzae 3035.
drug sensitivity testing, Mycobacterium fortuitum 4719.
Mycobacterium sensitivity 3045.

Sulfonic acid,

derivatives, antibacterial activity 4748.

derivatives, antoacterial curving.

suffur, analogs, synthesis, penicillin, Cephalosporium acremonium 8353, applications, disease control, powdery mildew, Vitis vinifera 340, biogeochemistry, microorganisms, reviews 8206, coatings, urea fertilizers, savannahs soil, pH, nitrogen levels 8256, coatings, urea granules, fertilizers (slow release), nitrification 8231, compounds, aream, removal, mixed culture, Thiobacillus thiooxidans, Thiobacillus terrowidans 8261, compounds, petroleum, biodegradation, Desulfovibrio 8274, containing amino acids, L-methionine y-fysase synthesis, Pseudomonas putida 65.

containing, chemical compounds, antibacterial activity, sulfate-reducing bacteria containing simulated beef flavor compounds volatiles, chemical composition,

Conversion, calcum sufface sufface, mixed culture, Desulfobacter+Chlorobium immoola (s.p. thiosulfato)philum 5693, cycles, heterotrophic bacteria, soil 8984.

cycles, heterotrophic bacteria, soil 8984, iron molybuchum complex, introgen binding, models, nitrogenase 2605. leaching, coal, Thiobacillus 3976. leaching, coal, Thiobacillus ferrooxidans 3974, mineralization, soil microorganisms, forests 1230, untrent cycles, soil microorganisms, forests 4611ms, forests soils 5617. organic compounds formation, soil microorganisms, forests soils 5617. oxidation, soil microorganisms, soildity, sand, soil, dunes, coastal environments oxidation, soil microorganisms, soildity, sand, soil, dunes, coastal environments. 8968

production, sulfate by-products, Chlorobium thiosulfatophilum 3977. removal, coal, mathematical models, Thiobacillus ferrooxidans 5694. Thiobacillus ferrooxidans bioaccumulation, localization 2181. Sulfur dioxide

effects on, Bradyrhizobium japonicum, association, Glycine max, growth 8992. effects on Byssochiamys nivea, biomass, patulin biosynthesis 6207. poliution effects, soil microorganisms, forest floor 5613.

pollution effects, soil microorganisms, forest floor 5613.

Sunlight,
Inactivation Bacilius thuringiensis spores, protection, biological control 119.
Inactivation, Escherichia coli, phages 2402.

Sunn-hemp mosaic virus,
disease resistance, Vigna unguiculata, nutrition effects on 312.

Sunnhemp mosaic virus,
antiviral activity, Chenopodium ambrosoides plant extracts, foliar applications,
disease control 8140.

+ Fusarrum oxysporum mixed infection, effects on Vigna unguiculata growth 5407.
mixed infection. Fusarrum oxysporum, pathogenesis. Vigna unguiculata seedlings. mixed infection, Fusarium oxysporum, pathogenesis, Vigna unguiculata seedlings, nutrition effects on 6234.

mixed infection, Fusarium oxysporum, plant diseases, Vigna unguiculata, pathogenesis, scanning electron microscopy 6236. Supercooling, methodology, microorganisms 9268.

Superoxide,

Superoxide,
free radicals, caffeic acid, inhibition, Pyriculana oryzae, spore germination,
role disease resistance, plant diseases 8889.
free radicals, non-steroidal antiinflammatory drugs. inactivation, phage T2 4769.
production, cercosporin, photoinduction 7901.
role tyrosine hydroxylation, monophenol monooxygenase, Basidiomycetes 2594.
Superoxide dismutase,
Bacilius megaterium, spores, radiosensitivity, oxygen levels effects on 4743.

Suppressor mutant,

nulinase, fructose produciton, Pichia polymorpha 3526.

Surface activity, surfactants production, hydrocarbons metabolism, Acinetobacter calcoaceticus 8629

Surface properties,

matrix, bioreactors, methanogenic bacteria 421.

Surface water,
bacteria, fertilization effects on, forests 2106.

patients, institute and in the state of the

Surface water, (continued) removal, enterovirus, water treatment, Netherlands 4953. rivers, water quality, viruses 9254, viruses levels, detection methodology, reviews 2384, water isolates, Salmonella, R factors transfer, antibiotic resistance 9046.

Surfaces, bacteria films removal, glycol-bis(β-aminoethyl ether)-N, N-tetraacetic acid

effects on 417. types, disinfectants antibacterial activity, Pseudomonas aeruginosa 5862. Surfactants,

activity, Arthrobacter glycolipids 7777.
alkyl sulfonates, biodegradation, wastewater treatment, Pseudomonas rathonis

amphoteric, disinfection 1515.

amphoteric, disinfection 1515.
anionic, disinfection 1514.
biodegradation, alcohol dehydrogenase, arylsulphatase 189.
biosynthesis, metabolic pathways, microorganisms, reviews 7776.
effects on antiseptics antibacterial activity 9281.
glycolipids, production, Torulopsis bombicotal 1525.
inposinic acid biosynthesis, Brevibacterium ammoniagenes 6062.
lipids, production, continuous culture, Pseudomonas aeruginosa 6922.
production, surface activity, hydrocarbons metabolism, Acinelbobacter calcoaceticus 8629.
quaternary ammonium compounds. biodegradation, freshwater microorg

calcoaceticus 8629.
qualernary ammonium compounds, biodegradation, freshwater microorganisms 5311.
surfaces interaction microorganisms 4392.
Tween, stimulation IMP production, Brevubacterium ammoniagenes 4371.
use petroleum recovery, production, Bacillus licheniformis 5265.
Surgery,
antiseptics, disease control, environmental hygiene, hospitals 1518.
heart, postoperative infection, gram-negative bacteria isolation, antibiotic
sensitivity testing, aminoglycoside antibiotics 3107.
maxilla, oral hygiene effects on, dental plaque, gingivitis, man 6726.
Suspended matter,
association, enterovirus, microbial pollution, lakes 9255.
biological control efficacy, Bacillus thuringiensis var.israelensis, Aedes
aegypti, Culex pipiens 8642.
biomass, assays, carbon (activated) sewage sludges waste treatment 2379.

antigen T, DNA binding sites, immunoassays, monoclonal antibodies 589. DNA, transfection, Vero cells, methodology 5000.

Swabs, detection, gastrointestinal tract Campylobacter fetus subsp.jejuni, comparison feces 736.

faces 736.

faces

9014.

9014.

Medicago sativa, nitrogen fixation measurements, field trials 9011.

Sweet clover necrotic mosalc virus,
new records, characterization, Melilotus officinalis isolates 4523.

Sweeteners.

Sweeteners, microorganisms biosynthesis, books 2541. production, glucose isomerization, immobilized enzymes, microorganisms, starch, Zea mays 5188.

Swimming pools, bacteria, contamination, association hair microflora 2405. chiornation, association bacteria, civels, Australia 3220. chiornation, indicator species, Pseudomonas aeruginosa, Streptococcus 567.

disinfection 1500.

disinfection, sodium hypochlorite, books 838. enterovirus microbial pollution, comparison, bacteria indicator species, Romania 2409

enumeration, Staphylococcus aureus, media (culture), methodology 1822.
floors, Sporothrix schenckii isolation 580.
Switzerland,

Switzerland,
dry rof, Serpula lacrymans, biodeterioration, wood 1247,
forest products, preservation, biodeterioration, fungi 1249,
solid wastes, composts, fertilizer applications, soil amendment 8392.
Symbionts,
bacteria, actinomycetes, Basidiomycetes, Zygomycetes, ectomycorrhizas, leaves,
Tozzia alpina 8204.
ectomycorrhizas, Pinus banksiana, Canada 8165.
nodulation, Macrozamia communis seedlings 2907.
Symbiolate,
actinorrhizas, plants\_pitroons\_finatics\_2009.

ymbloals, actinoritizas, plants, nitrogen fixation 9009. actinoritizas, plants, nitrogen fixation 9009. actinity, crop residues biodegradation, Bacillus polymyxa, Penicillium 3673. artificial, L form bacteria, plants 6345. Bradyrhizobium japonicum, nodules, Glycine max, α-D-galactosidase, α-D-glucosidase 6363. Ceratobasidium cornigerum, glucose uptake, Goodyera repens, Dactylorhiza purpurella 5645.

pumurella 5645.

ectomycorrhizas, plants roots, measuring techniques, reviews 832.

Fagus sylvatica mycorrhizas, development, ultrastructure 2104.

Fagus sylvatica mycorrhizas, development, ultrastructure 2104.

Fankla, ntrogen fixation, Almus nepalensis, seasonal variations 6320.

Gentiana lutea vesicular-arbuscular mycorrhizas, delection 2131.

Glomus, Agropyron smithii, effects on water relations 6342.

Glomus estoricatus, Cirtus macrophylla, effects on viruses plant diseases pathogenisis 4635.

Glomus fasciculatus, enhancement, growth, Glycine max 2135.

Glomus intraradices, seedlings, Cirtus aurantum, Ponocirus trifoliata× Citrus sinensis, association, photosynthates distribution 8219.

Glomus macrocarpum, soil aeration, carbon dioxide effects on, Eupatorium odoratum, Giuzotta abyssinica, Sorphum bicolor 3937.

Glomus mosseae, growth models, roots, Allium porrum 3934.

Symbiosis, (continued)

ymblosis, (continued)

Hippophae rhamnoides - Glomus fasciculatus 2927.

Infectivity, Rhizobium, preservation, methodology 5899.

Interaction, Phizobium, Cloer arietinum 4648.

Medicago sativa, Rhizobium meilioti nitrogen fixation, glycine betaine effects on sodium chloride tolerance 2159.

Medicago sativa, Rhizobium meilioti symbiosis, calcium, magnesium effects on Medicago sativa, Rhizobium meilioti symbiosis, calcium, magnesium effects on

2960

2960.

microorganisms, plants, nitrogen fixation measurements, soil diffusion 411.
mutants, Rhizobium meliioli, nitrogen fixation, genetic control, Medicago 5676.
mycornizas, Arbutus unedo, ultrastructure 4622.
mycornizas, plants, books 3382.
nitrogen fixation, Altizobium japonicum, relationship, rifampicin resistance
mutation 2962.

nitrogen-fixing bacteria, Medicago sativa, Glycine max, characterization 1279. nitrogen-fixing bacteria, rhizosphere microorganisms, Oryza sativa,

ultrastructure 8236. Nostoc, Oryza sativa nitrogen uptake 3958. plants, vesicular-arbuscular mycorrhizas, effects on, measuring techniques, reviews 389

Pseudotsuga menziesii, endomycorrhizas, role, drought tolerance, USA 2913. reviews, books 845.

Rhizobium+Glomus mosseae, effects on, Acacia holosericea, Acacia reddiana, growth

Hill Columnia State Stat

Rhizobium, Leguminosae, nitrogen fixation 9005. Rhizobium meliloti, association, tricarboxylic acid cycle intermediates utilization 8234.

Rhizobium meliloti, Medicago sativa, Rhizobium leguminosarum, plasmid plJ1008, effects on 4649.

Rhizobium, nitrogen fixation, genetic analysis, Leguminosae 9006. Rhizobium, nitrogen fixation, interaction, Leguminosae 9007. Rhizobium, Trifolium pratense, nitrogen fixation, white clover mosaic virus Rhizobium, Trifol infection 7141.

Intection 7141.
Trifolium repens, nitrogen fixation, Rhizobium trifolii populations 409.
vesicular-arbuscular mycorrhizas, plant cells culture systems, asepsis 2120.
vesicular-arbuscular mycorrhizas, Trifolium, competition 3935.
vesicular-arbuscular mycorrhizas, weeds, association, habitat disturbance, USA, Utah 396.

Utah 396. Syncytia, formation, herpes simplex virus 1, antiviral activity, aliphatic amines 4776. Synecephalastrum racemosus, sefects on phytotoxicity, allelopathy, growth, Triticum aestivum 373. Syntrophism, association, Rhizobium, nitrogen fixation, enhancement, growth 4661.

Syphila, special control of the cont

Syrups, pharmaceuticals, microorganisms analysis 4136.

gases generator, use, Campylobacter isolation, feces 3318. **Tagetes,**Alternaria tagetica blight, pathogenicity 1140.

Tagetes ereta, Alternaria tagetica blight, pathogenicity 1140.

Tagetes patula,

Alternaria tagetica blight, pathogenicity 1140.

Talga, cellulose biodegradation, soil temperature, soil nitrogen levels, soil microorganisms 5544. utrient cycles, forest floor, USA, Alaska 5545.

Taints,

production, corks, contamination, growth, Fungi, wine 7798. Talwan,

iana tabacum, plant breeding, cucumber mosaic virus disease resistance 5480. Take-all,

disease resistance, Gaeumannomyces graminis use induction, Triticum aestivum 2849.

Gaeumannomyces graminis, manganese deficiency effects on disease resistance, Triticum aestivum 8099.

Trificum aestivum 8099.

Gaeumannomyces gramnis var.firtici, biological control, seed treatments, Pseudomonas fluorescens, Trificum aestivum 336.
Gaeumannomyces graminis var.tirtici, senescence effects on, Hordeum vulgare 7954.
Gaeumannomyces graminis var.tirtici, survival, soil 6351.
Gaeumannomyces graminis var.tirtici, tillage, association, pathology, Triticum aestivum 7977.

aestivum 7977.

Gaeumannomyces graminis var.tritici, Triticum aestivum, biological control, Gaeumannomyces graminis var.graminis+Phialophora 5512.

Gaeumannomyces graminis var.tritici, virulence, Triticum aestivum 1126.

Triticum aestivum, ameba population dynamics, suppression 1173.

Triticum aestivum, epidemiology, soil, growth, Gaeumannomyces graminis var.tritici, 7145.

var.fritici 7145. Triticum aestivum, Gaeumannomyces graminis var.tritici 7953

Talaromyces emersonii, β-D-fructofuranosidase, hydrolysis, polysaccharides, Beta vulgaris crop

residues 8674 Talaromyces stipitatus, talaromycin B isolation, synthesis 5396.

Telaromycen 8, Talaromyces stipitatus, isolation, synthesis 5396. Tellacomycin, analogs, DNA cleavage, structure-activity relationships 529. Tan spot,

Tenning. Comyebacterium flaccumfaciens, Glycine max, epidemiology, USA, Iowa 248.
Tennic acid, biodegradation, fungi 3675.
Tanning, leather, proteolytic enzymes, bacteria, fungi 48.
Tanning.

biodegradation, Klebsiella pneumoniae, Corynebacterium, gallic acid production, Caesalpinia spinosa 5106. Tanzania,

Vigna unguiculata, Aspergillus parasiticus infection, aflatoxins production 3795. Taphrina deformans, CGA 64250, effects on, lipid composition 2084.

1ar, +sand combustion wastewater treatment, oil and gas industry, organic compounds, microorganisms oxidation 3194.
 Teraxacum officinale, dandelion yellow mosaic virus, physicochemical properties, transmission (mechanical) 2043.
 hosts, tobacco ringspot virus, tomato ringspot virus 3818.

disease reservoirs, tomato ringspot virus, stem pitting, Prunus persica, USA, Pennsylvania 8811.

Tertaric acid, levels, monitoring, malolactic fermentation, wine 8665.

L-Tartaric acid, decomposition, Botrytis cinerea, musts, organoleptic evaluation, wine 8666.

Taste,

water quality, odor compounds, volatiles, actinomycetes 2649. **Taxonomic significance**, enterotoxins biosynthesis, Aeromonas 3760.

Phomopsis asymptomatic infection, plants 7129.

Taxonomy,
Endogonaceae, Glomus, ecological distribution, geographical distribution, Canada 8166.

8166.
Flexbacter, antibiotic SQ 28,332, fermentation, structure, antibacterial activity 1448.
Flexibacter, antibiotic SQ 28,502, antibiotic SQ 28,503, fermentation, biological properties 1450.
Leptolegnia chapmanii, biological control, larvae, Aedes 8640.
Marssorina balsamiferae sp.nov., etiology, leafspot, Populus balsamifera, Canada 2012. 3913

3913. Micromonospora, dapirimicin, fermentation, antifungal activity 2286. morphology, Drechsiera pluriaspattat, isolation, Eleusine coracana, seeds 8048. Myceliophthora thermophila, cellulose biodegradation 1889.

Myceliophthora thermophila, cellulose biodegradation 1889. mycormizas, books 843. Senicialition, association, mycotoxins 1925. Strains pathogenicity, biological control, Bacillus thuringiensis 6924. Streptomyces, antibiotic OM-173, production, antibacterial activity 2289. Streptomyces fullyoviridis, relationship carbapenems, blosynthesis 2302. Streptomyces maghwi sp.nov., roflamycoin biosythesis 2314. Streptosporangium albidum, aculeximycin, biosynthesis 2292. Taxonomy (numerical), lactic acid bacteria, meat, vacuum packaging 4446.

TCDD biodegradation, Nocardiopsis, Bacillus megaterium 2713.

powders, +agar, inhibition, bacteria 7369.

Teet dips, antibacterial activity 7543. iodine, prophylaxis, mastitis, cattle 4959.

Tecleanthin, Prophylaxis, mastius, cattle 4553.
Tecleanthin, Teclea trichocarpa bark, antibacterial activity, Bacillus subtilis, antifungal activity, Cladosporium cucumerinum 4738.
Telchoic acid,

bioassays, use, gram-positive bacteria, detection, soil 8202. comparison, a-hemolysin, antibodies, measuring techniques, diagnosis, bacteremia, endocarditis, Staphylococcus aureus, man 7620.

bacteremia, endocarditis, Staphylococcus aureus, man / 620.

Telchomych,
Actinoplanes teichomyceticus, aromatic compounds, amino acid composition 9213.
Actinoplanes teichomyceticus, isolation, physicochemical properties 8384.
antibacterial activity, Staphylococcus aureus 7422.
antibacterial activity, Staphylococcus aureus, Staphylococcus epidermidis,
Streptococcus faecatis 4815.

Teleptoroccus taecalis 4815.

Teleburonic acid,
primary structure, Bacillus subtilis 7659.

Tellospores,
Neovossia indica, isolation, infected Triticum aestivum, morphology 7984.
sporulation, Cronartium flaccidum, environmental factors effects on, infection,
Vincetoxicum officinale 3927.

Temocillin, antibacterial activity, Enterobacteriaceae, Haemophilus influenzae, Neisseria gonomhoeae 3105. antibacterial activity, Enterobacteriaceae, Haemophilus influenzae, Haemophilus paraintiluenzae 5754.

paramitientzae σ/59, antibiotic synergism, β-lactam antibiotics, antibacterial activity, Enterobacteriaceae, Pseudomonas aeruginosa, Staphylococcus aureus 3122. inhibition, β-lactamase, structure-activity relationships, Enterobacter cloacae, Citrobacter freundii 5120.

Temperate environments, agroforestry, nitrogen fixation, actinorrhizas, reviews 2915.

agroforestry, nitrogen fixation, actinorrhizas, reviews 2915. Temperature, Bacillus thuringiensis resistant mutant, use biological control, Insecta 6746. Campylobacter fetus subsp.jejuni isolation, methodology comparison 1650. cell culture, effects on growth, Saccharomyces cerevisiae 5084. Chiamydia trachomatis, +media (culture), effects on storage 5079. composting, agricultural wastes, industrial wastes, wool 4100. composting, evaporation, oxygenation, ventilation 4085. cooling water, effects on glutamic acid uptake, heterotrophic bacteria 1493. dependence, polymyxin B antibacterial activity, Escherichia coli 9198. dew, association, pathology, Botryosphaeria vaccinii latent infection, Vaccinium macrocarpon 8041.

Temperature, (continued) distribution, fermenters 2674. dormancy, Malus domestica, effects on powdery mildew, Podosphaera leucotricha

/980.
effects on β-D-fructofuranosidase, sucrose hydrolysis, kinetics, soil 6332.
effects on activity, pectinolytic enzymes, Clostrodium pectinofermentans 7737
effects on affatoxin B1 levels, manure, chickens 6208.
effects on aflatoxins biosynthesis, rice, cheddar cheese, Aspergillus flavus,
Aspergillus parasiticus 3703.

Aspergillios parasilicus 3703. effects on Ananas comosus infection, pathogenesis, Penicillium funiculosum, Fusarium monilliorme var.subglutnans 8834. effects on, antimicrobial activity, antimicrobial agents 1359. effects on Aspergillus ochraceus, ochratoxin A biosynthesis, biomass, growth 2758.

effects on Aspergillus parasiticus aflatoxins biosynthesis, biomass, growth 2758.

effects on Aspergillus parasiticus aflatoxins biosynthesis, in vitro 7067.

effects on attenuation, use live vaccines, cell culture, rubella virus 7485.

effects on bactericidal activity, gram-positive bacteria, gram-negative bacteria, albumen, eggs, chickens 4010.

effects on biodegradation, 2,4-D, soil microorganisms 4433.

effects on biyssochlamys nivea, biomass, patulin biosynthesis 6207.

effects on chiorine disinfection, parvovirus 6484.

effects on clostridium peringens, Staphylococcus aureus, growth, beef 7029.

effects on deloydrogenase activity, soil 8988.

effects on disoved oxygen levels, culture, Bacillus stearothermophilus 9296.

effects on edomydrogenase activity, soil 8988.

effects on entopyeritase, Salix rotunditolia, tundra 2103.

effects on entopyeritase, Salix rotunditolia, tundra 2103.

effects on entopyeritase, Salix rotunditolia, tundra 2103.

effects on enthylene biosynthesis, hypersensitive response, tobacco mosaic virus, Nicoiana tabacum 2061.

Aspergillus niger 7725.

effects on extracellular enzymes, proteinase, Bacillus megaterium 4292.

effects on extracellular enzymes, proteinase, Bacillus megaterium 4292.

effects on fermentation, amino acidis levels, commeal, lactic acid bacteria 7881.

effects on Fusarium oxysporum f.sp.ciceri colorization, plant debris, saprophagy, soil 5618.

soil 5618

soil both. effects on gas production, cheese production, Clostridium tyrobutyricum 4462. effects on, growth, association, single-cell protein, production, Candida valida, continuous culture, ethanol 214. effects on growth, Escherichia coli, Salmonella typhimurium, hot-boning, beef

6959.

feffects on growth rate, Endothia parasitica, hypovirulence, use biological control, blight, Castanea dentata 8184.

effects on hydrogen gas production, Rhodopseudomonas capsulata 5219.

effects on hydrostatic pressure disinfection, Escherichia coli 5966.

effects on Melampsoridium betulinum, urediniospores, spore germination, rust, Betula 950.

effects on, Methanosarcina, Methanothrix, methanogenesis, digestion (anaerobic) 3980.

3980.
effects on molds food contamination corn, toxins production 2749.
effects on Monilinia fructicola conicia spore germination, size, pathogenicity,
in vitro, in vivo, futils, Prunus persica, Prunus persica, Prunus persica, Prunus persica, effects on mycotoxins biosynthesis, Alternaria alternata, wheat 5371.
effects on, Nitrosomonas europaea, nitrous oxide, production, soil 7274.
effects on Nomuraea rileyi, Pseudoplusia includens, pest control, biological
control, Anticarsia gemmatalis 5212.
effects on nutrient uptake, vesicular-arbuscular mycorrhizas, inoculum density,
Trifolium repens 8214.
effects on organojeotic properties, wine, musts fermentation 1871.

effects on oxygen transfer, rotating discs, wastewater treatment 1471.

effects on oxygen transfer, rotating discs, wastewater treatment 1471.

effects on phenyl carbonic acids production, flavor, wort fermentation, beer

2682

2682.

effects on, Phytophthora cinnamomi, infection, roots, Eucalyptus marginata, Eucalyptus calophylia 3912.

effects on plasmid p.LP11, stability, Bacillus licheniformis, transformation, gene expression, β-lactamase, Bacillus stearothermophilus 8543.

effects on plasmids curing, lactose fermentation, identification, media (culture), Streptococcus lactios 7864.

effects on Populus disease resistance, Melampsora medusae infection 360.

effects on post-harvest decay, fungal flora, corn, rice 2051.

effects on hitzobium leguminosarum, nitrogen fixation, nodules, Pisum sativum 2987.

effects on Fhizobium leguminosarum, nitrogen fixation, nodules, Pisum samu-2987.

effects on Rhizobium, nitrogenase, nitrogen fixation, Vigna unguiculata 2168.

effects on Sclerotia germination, Sclerotium roffsii 6338.

effects on Septoria nodorum sectoring, role, pathogenicity, Hordeum vulgare isolates 1994.

assures 1994, effects on Septoria nodorum sporulation, Triticum aestivum 5432, effects on, sewage sludge, composting, microorganisms, succassion 5819, effects on single-cell protein production, ethanol termentation, Candida tropicalis 4411,

tropicalis 4411.

effects on, soil microorganisms, denitrification, soil 4672.

effects on spoilage, yeasts, confectionery 8698.

effects on spoilage, yeasts, confectionery 8698.

effects on sporulation, biosynthesis, bactracin, extracellular enzymes, proteinase, Bacilius licheniformis 4879.

effects on sporulation, telionspores, urediniospores, infection, Cronartium flaccidum, Vincetoxicum officinale 3927.

effects on susceptibility, Metarhizium anisopilae, Metarhizium flavoviride, biological control, Otiorhynchus suicatus 2650.

effects on fytoisn stability 7455.

effects on, Uromyces phaseoli infection, appressona formation, plants 1964.

effects on, viscuieur-arbuscular mycorrhizas spore germination, hyphae growth 402.

effects on, viruses, microbial pollution, survival, adsorption, ground water 5958.

effects on, viruses, microbial poliution, survival, adsorption, ground water 5858.
effects on wastewater treatment, industrial effluents, meat industry, anaerobic conditions, bioreactors 3196.
effects on Zoophthora radicans sporulation, mortality, biological control, Therioaphis tribiol 1855.
effects on Zoophthora radicans sporulation, mortality, biological control, Therioaphis tribiol 1855.
effects on Zoophthora radicans sporulation, marking season sporulation, effects on, Streptomyces fradiae 8598.
inclubation, role, Campylobacter fettus subsp.jejuni isolation, man feces 1648.
indicator species mortality, digestion (aerobic), sewage sludge 1485.
kinetics, bioreactors, microorganisms 1534.
Metarhizium anisopiliae inoculum production, biological control, Cercopidae 5266.
monitoring, Ifame sterilization, canned food, sterilizers 7022.
Myrothecium roridum, effects on leafspot, Dieffenbachia maculata 6255.

Temperature, (continued)
night, effects on susceptibility, Pyricularia oryzae, blast, seedings, Oryza
Sativa 7958.

Sativa 7958.
peat, effects on methanogenesis, methanogenic bacteria 8264.
pH, effects on, enzymes, activity, physicochemical properties, microorganisms,
surveys, industries 58.
proline hydroxylation, Streptomyces griseoviridus 5109.
psychotrophic bacteria, spoilage, shelf life, poultry, meat products 6972.
range analysis, bacteria growth, meat 1061.
relationship, viability, ethanol, effects on, Saccharomyces cerevisiae, reviews

6106

6106.

\*\*izosphere, effects on, ectomycorrhizas, vesicular-arbuscular mycorrhizas tormation, forests soil 5549.

RNA association, batch culture, Saccharomyces cerevisiae 799.

role, 8-cyano-D-alanine inactivation, D-alanine aminotransferase activity, Bacillus sphaencus 7717.

role, Malus pumila fruits susceptibility, Venturia inaequalis scab 2797.

role, southern bean mosaic virus strains isolation, pathogenicity, Vigna unguicilata 2777.

role, insuranting in the protein passe hipsynthesis.

roie, southern bean mosaic virus strains isolation, pathogenicity, Vigna unguiculata 2777.

sporulation, bacitracin biosynthesis, proteinase biosynthesis, temperature, Bacillus licheniformis 5974.

Staphylococcus aureus growth, cheese 6960.

Staphylococcus aureus growth, cheese 6960.

Staphylococcus aureus growth, cheese 6960.

Temperature tolerance, acid production 2732.

Lactobacillus viridescens, association ham 7027.

Temperature sensitive sensitiv

Tentoxin.

cell culture 3437.

Tentoxin,
Alternaria alternata, biosynthesis, Isolation 2762.
biosynthesis, Atemaria alternata, phosphate effects on 5395.

Tenuazonic acid,
isolation, association, Alternaria alternata leaf blight, tenuazonic acid,
characterization 5394.

Teratcaperma oligociadum,
hyperparasitism, Sclerotinia, biological control, phytopathogenic fungi 975.

Terterol,
production, 3:5'-cyclic-nucleotide phosphodiesterase inhibitors, Streptomyces
showdoensis 3567.

structura, Streptomyces showdoensis, inhibitors, 3:5'-cyclic-nucleotide
phosphodiesterase 3585.

Termitomyces,
fruit bodies, condia, cellulase, β-D-glucosidase, purification,
characterization 6644.

Termitomyces cypeatus,
lignocelluloses biodegradation, sugars production 3527.

Terpenoids,
aidenydes phytoalevins, Gossypium barbadense, accumulation association
robs condities, disease resistance, Fusarium oxysporum f.sp.vasinfectum, wilt,
Gossypium hirautum 8883.

Ferrecyclic acid A,
biosynthesis, Aspergillus terreus 7475.

Ferrecyclic acid A,
Terrecyclic acid A,
Ter

Aspergillus terreus, structure, antimicrobial activity 5802.

Aspergillus terreus, stucture, aimmetubar automy - Terrein, plants growth regulators, structure, biosynthesis, Aspergillus terreus 2668. Territrem C, characterization, Aspergillus terreus 1928. Tertlary burjhydroquilnone, antibacterial activity, casein, corn oiis, effects on 6450.

Tetanus

Clostridium tetani antibodies, enzyme-linked immunosorbent assay methodology, man 780.

780.

Tetrachaetum elegans, pectinolytic enzymes activity, biodegradation, Alnus leaves, calcium concentration effects on 1002.

Tetrachicophthaloyd lepetide methyl esters, derivatives, synthesis, antimicrobial activity 9134.

derivatives, synthesis, antimicrobial activity 9134.

Tetracycline,
antibacterial activity, clinical isolates, Streptococcus pneumoniae 9153.
antibacterial activity comparison, ofloxacin, Chlamydia trachomatis 9199.
antibiotic resistance, association, transposon 10, Haemophilius parainfluenzae,
homology, Escherichia coli 9073.
antibiotic resistance, clinical isolates, Escherichia coli 4004.
antibiotic resistance, Escherichia coli, isolation, chickens 3032.
antibiotic resistance, escal coliforms, pigs, characterization 1317.
antibiotic resistance, egene transfer, Clostridium perfringens, characterization 3013.

3013

3013.
antibioric resistance genetic markers, conjugation, plasmids deficiency, Streptococcus pyogenes 6426.
Antibioric resistance, plasmid RP4, continuous culture, Escherichia coli 7351.
antibioric resistance, plasmids, DNA, restriction endonuclease mapping, Haemophilus ducreyi 3027, antibioric resistance, R factors, Escherichia coli 2206.
antibioric resistance, R factors transfer, Staphylococcus aureus 9044.
antibioric resistance, transposon Tn10, repressors, binding sites, genetic control, Escherichia coli 1315.
antibioric sensitivity testing, antibioric resistance resistance Staphylococcus antibioric sensitivity testing. Bacteroides podesus 3056.

antibiotic sensitivity testing, Bacteroides nodosus 3056.
antibiotic sensitivity testing, dilution tests, Mycoplasma, animal isolates, chickens 3087.

chickens 3087.

antibiotic sensitivity testing, Neisseria gonorrhoeae 4804.
biosynthesis, Streptomyces, fermenters, carbon dioxide pressure effects on 2281.
Clostridium perfringens drug sensitivity testing 3085.
cultiorms resistance, incidence, feces, man, hybridization analysis 1316.
drug resistance, clinical isolates, Haemophilus influenzae, Haemophilus

Tetracycline, (contin

Terracycine, (commonly parainfluenzae 3035; effects on Bacillus subtilis, sporulation, stringent response 2242, effects on Escherichia coli enterotoxins, biosynthesis, properties 228. Tetrahydro-2(1H)-pyrimidinone, derwatives, antiviral activity, structure-activity relationships 8321. Tetrahydroaftersolanol B, Alteroaria solani structure new records 3576.

aria solani, structure, new records 3576

Alternaria solaria, structure, invectors of a fetrahydrocerulenin, effects on Aspergillius parasiticus aflatoxins biosynthesis 1075. Fatrahydrofolishibition, antibiotics antibacterial activity 9174. 5,67,67-effetrahydrofolate, profeste debutrogenase immobilization.

preparation, use tetrahydrofolate dehydrogenase immobilization, Lactobacillus case 8575.

Sase 87/3.
Tetrahydrofolate dehydrogenase, immobilization, use 5,6,7,8-tetrahydrofolate preparation 8575. inhibition, X-ray diffraction, mathematical models, Lactobacilius casei 4323. methotrexate inhibition, kinetics, Netsseria gonorrhoeae 8579. purfication, Escherichia coli, plasmid p1 p 6-10, cloning vectors, transformation

Tetrahydrofuran, metabolism, reviews 7824.
3,3',6'-Tetrahydroxy-5,5'-dimethyl-2,2'-bi-p-benzoquinone, Chaetomium aureum, antibacterial activity, antifungal activity 8367.
1,3,6,6-Tetrahydroxyanthraquinone, biosynthesis, Verticicaldella liquid culture 972.
3,3',4,5'-Tetrahydroxystilbene, wood extracts, Cassia garretiana, antifungal activity, structure-activity relationships, Penicillium citrinum, Rhizopus nigricans 7384.
Tetrahymena pyriformis, use, screening, trichothecenes food contamination, com 7055.
Tetrapyrendes,

use, screening, trichothecenes food of Tetrapyrroles, biosynthesis, bacteria, reviews 4380. biosynthesis, clostridium 5210.

busynnesis, disandum a210. biosynthesis, methanogenic bacteria 6095. cyanocobalamin like compounds, biosynthesis, Clostridium 7779. Tetrasodium ethylenediaminetetrascetate, + chlortetracycline, fishery products preservation, vacuum packaging 7885. Tetrazolium blue,

Tetrazollum blue, staining, use, viruses plaque assay, cells transformation assays 9275. use, artibiotic sensitivity testing, Streptococcus 3083.

Tetrazollum bromide, staining, cospores, spore germination, viability 805.

Textile Industry, tabrics, desizing, o-amylase, fungi, bacteria 52. humidifers, Cytophaga endotoxins, allergic alvoolitis, man 1944. industrial wastes, ginning, cotton, biodegradation, lignocelluloses, Pycnoporus cinnabarnus 6164. industrial wastes, wastewater treatment, reviews, bibliographies 4915. wool, industrial wastes, composting 5837.

Textiles.

Textiles.

biodeterioration tests 2721. hydrophobicity, use immobilization, β-D-galactosidase, β-D-glucosidase, exo-1,4-α-D-glucosidase 5142.

Thailand,
Cruciferae, black rot, epidemiology, etiology 287.
Oryza sativa varieties, rice ragged stunt virus disease resistance 8100.
Thaili,

Thailli, Hemileia vastatrix development, Coffea arabica infection 7185 Thamnidium elegans, growth conditions, meat, food contamination 6193.

Thawing, soil, soil microorganisms, nitrous oxide production, denitrification 7285.

soil, soil microorganisms, nitrous oxide production, dentirification 7285. 
Thelephora, 
ectomycorrhizas, liquid culture, inoculum production 5937. 
ectomycorrhizas, conferales seedlings, cold storage, ethylene, fungicides, effects 
on survival 5581. 
Thelephora terrestris, 
ectomycorrhizas, mycelia, inoculation, seedlings, Pinus banksiana 7227. 
inoculation, growth stimulation, Picea sitchensis 5565. 
inoculation, Picea sitchensis seedlings, silvicultura 345. 
inoculation, stimulation growth, nutrient uptake, seedlings, greenhouses, Pinus 5567.

trees inoculum production methodology, reviews 830.

Theobaldia longiareolata,
larvae, crowding effects on, Bacillus thuringiensis subsp.israelensis lethality
124.

Theobroma cacao

124.

124.

126.

127.

128.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

129.

crynicism, nucon mercer 79.

coagulase, Staphylococcus aureus 8565.

endo-1,3-β-D-xylanase production, Thielavia terrestris 5181.

enzymes, genetic engineering, food industry, thermophilic microorganisms 3495.

enzymes, immobilized cells, Čaldanella acidophila, ultrafiltration membranes

Thermal stability, (continued) Thiabendazole, (continued) benzimidazo 1-Thiacephem, TO.
Sesterase multiple forms, Aspergillus niger 1786.
8-D-glucosidase, Thermomonospora 4544.
8-D-glucosidase, Thermomonospora 4544.
8-D-glucosidase, Thermomonospora 4546.
8-D analogs, synthesis, antibacterial activity, structure-activity relationships, Escherichia coli, Klebsiella pneumoniae 4824. Thlacetazone, drug resistance, Mycobacterium tuberculosis 4721. drug sensitivity testing, drug resistance, Mycobacterium tuberculosis 4717. Thladlazolijopyrazolones, artibacterial activity, artifitungal activity 1321. Thiamindiphosphate kinase, isolation, purification, characterization, Saccharomyces carlsbergensis 7739. Saccharomyces carlsbergensis 7739. Saccharomyces carlsbergensis purification, characterization, Saccharomyces carlsbergensis purification, characterization, Saccharomyces carlsbergensis purification, characterization 925. Thiamphenicol, analons, artibipacterial activity 6542 Thiacetazone. proteinase, Bacteroides nodosus, characterization 7757. Thermoactinomyces, α-amylase, purification, characterization, thermal stability 7695. α-amylase, purification, characterization, thermal stability 765
β-amylase, purification, characterization, thermal stability 346
distribution, incidence, pasture, nematicides effects on 7295.
Thermoactinomyces candidus,
dust, isolation, enumeration, methodology comparison 1646.
Thermoactinomyces vulgaris,
α-amylase hydrolysis oligosaccharides 1777.
Thermoanserobacter ethanolicus,
ethanol production, carbohydrates utilization 5283.
ethanol production, carbohydrates utilization 5284.
β-D-glucosidase, cellobiose hydrolysis 3493.
Thermoanseroblum brocklil,
β-σxoesters reduction 8654.
Thermoacse aurantifacus,
proteinase, biosynthesis, activity 2579.
Thermoon, analogs, antibacterial activity 6542. Clostridium perfringens drug sensitivity testing 3085. actions, antibode for general section 3045.

In other did more perfungens of rug sensitivity testing 3085.

Interest of the service of the se Thermocin,
Bacillus stearothermophilus, antibacterial activity mechanisms 3127. Thermodynamics, association thermophilic bacteria diversity, sewage sludge 546. bioreactors 1533.
calorimetry, continuous culture, fermentation, Saccharomyces cerevisiae, Escherichia coli 6080. energy utilization, microorganisms 853. mathematical models, fermentation, Clostridium 3549. energy utilization, microorganisms 853.
mathematical models, fermentation, Clostridium 3549.
Thermomonoapora,
cellulase, Pydrolysis, feedback inhibition, glucose, cellobiose 8692.
cellulase, hydrolysis, lignocelluloses, solvents pretreatment 8683.
B-D-glucosidase, thermal stability 5973.
Thermomonoapora curvata,
cellulase biosynthesis, catabolite repression resistant mutant 1746.
2,6.6-trimethyl-2-cyclohexaedione 6072.
Thermomonoapora curvate,
cellulase activity, ethanol, cellobiose, glucose, metals ions, effects on 1804.
B-D-glucosidase activity, saccharides effects on 1796.
Thermomonoapora fusca,
cellulase activity, saccharides effects on 1796.
Thermomouclease,
activity detection, Staphylococcus aureus identification methodology, blood
culture 1655.
Thermophilic bacteria,
acidophilic bacteria, minerals sulfide oxidation 416.
alkaline phosphatase production, Thermus ruber 6881.
Campylobacter, media (enrichment), isotation, water 6754.
coupling factor 1, +magnesium+cadmium complex, reaction mechanisms, structure
805.

Ottoborope c pydrase govgan carbon dirivide reaction mechanisms, kinetics 7755. production, artificialità artiagonismi, artificialità aeruginosa 7442.
production, immobilized cells, Streptomyces cattleya 5805.
production, Streptomyces cattleya immobilized cells 518.
Streptococcus group B susceptibility 1381. Thimerosal, Intimerosa; disinfection, antigens extracts, fungi, pathogens, clinical microbiology 810. 
Thin-layer chromatography, affatoxins determination, grain dusts 3704. 
affatoxins, food contamination, nuts, grain 7108. 
comparison, liquid chromatography, analysis, affatoxins, food contamination, or comparison, liquid chromatography, analysis, affatoxins, food contamination, or comparison, liquid chromatography, analysis, affatoxins, food contamination, or comparison, and contamination, or contaminat comparison, liquid chromatography, analysis, aflatoxins, food contamination, peanuts 8731.
3'5-cyclic-nucleotide phosphodiesterase, Vibrio harveyi 3279. detection, aflatoxin B1, ochratoxin A, olive oil 1931. detection, mycotoxins, contamination, food 5366. detection, pertoxifylline, metabolites, fungi 8433. high-pressure liquid chromatography, analysis, aflatoxins, fatty acids fluorescence, grain, Zea mays 8726. identification, Mycobacterium avlum-intracellulare-scrofuler sum, glycolipids 689. lipid A fractions, enzyme-linked immunosorbent assay 5064. measuring techniques, polyribonucleotide nucleotidytransferase activity, Escherichia coli 1599. Essinational curi 1999. methodology, detection, mycotoxins, animals feeds 7053. Mycobacterium bovis identification methodology 5895. Suse, detection, rubratoxin B, animals feeds, methodology, factors affecting 7054. 895.

cytochrome c oxidase, oxygen, carbon dioxide reaction mechanisms, kinetics 7755. digestion (anaerobic), manure, pigs methane 7523. diversity, sewage sludge thermodynamics association 546. dust, isolation, enumeration, methodology comparison 1646. enzymes, biotechnology 2628. enzymes, biotechnology 7784. ethanol tolerance, factor affecting fermentation physiology 6135. immobilized cells. Thermus rubens sp.nov., fumarate hydratase, fumaric acid Thinning,
Pseudotsuga menziesii, association Verticicladiella wageneri black stain 3924. Producting and the control of the co conversion, L-malic acid 9. methanogenesis, films, bioreactors, anaerobic conditions, wastewater treatment hiobacillus ferrooxidans, coal, sufur leaching 3974, coal, sufur leaching 3974, coal, sufur removal, mathematical models 5694, coal, sufur removal, mathematical models 5694, cobaltous sufficie leaching, role, iron(II) 9030, copper leaching, industrial wastes 7301, ferrous suifate, iron(II) oxidation, kinetics, chemostats 3000, mercuric reductase isolation, characterization 6010, oxidation, ores extraction, gold, silver 3001, pyrite oxidation, man release, role adsorption 5691, sufur bioaccumulation, localization 2181, uranium resistance 1311. 4926.
methylotrophic bacteria, methanol utilization, single-cell protein production, harvesting 8515.
Thermoschinomyces, α-amylase, purification, characterization, thermal stability 7895.
use, dairy starters, reviews 212.
Thermophilic fungli, composts, straw, Triticum aestivum, Vicia faba 6168.
single-cell protein, protein composition, amino acid composition, ilipid composition, vitamins 860.
survival, composting, tod processing industrial wastes 4114.
Thermophilic microorganiams, Bacillus, α-amylase, β-amylase, purification, characterization 7705.
Bacillus stearothermophilus, culture, dissolved oxygen levels, temperature effects on 9296. Thiobactitus novellus, pyruvate carboxylase, purification, characterization 6847. pyrlvate carboxylase, pulmetauri, characterization 697.

Thiobacillus thiooxidans,
mass spectroscopy, ornithine containing lipids 5024.
mixed culture, Thiobacillus ferroxidans, removal, arsenic, sulfur compounds 8261.

Thiobacillus versutus,
cell membranes, multienzyme complexes, electron transport chain, cytochrome c551,
cytochrome c552.5, purification, characterization 7703. effects on 9296.

competition, starter cultures, composting, bark 4103.

composts, Basidiomycetes culture 1681.

enzymes, thermal stability, genetic engineering, food industry 3495.

fermentation, agricultural wastes, use, cultivation, Agaricus bisporus 8408.

media (culture), use, GELRITE, gum 3335.

sowage sludge, waste treatment 1465.

surnval, composting, food processing industrial wastes 4114.

Thermoepamaquinone,
Wolinella succinogenes, spectrometry, N.M.R. 6894.

Thermoepaguatelus.

Thermus aquaticus, caldolysin, calcium, ianthanide binding 7760

effect on 76.

calconysin, calcium, taintenance unituring 7700.

Thermus caldophilus, lactate dehydrogenase, purification, kinetics, thermal stability 68.

Thermus rubens sp.nov., immobilized cells, fumarate hydratase, fumaric acid conversion, L-malic acid 9.

Thermus ruber, alkaline phosphatase production 6881.

Thermus thermophilus, malate dehydrogenase, kinetics, poly(ethylene glycol) bound NAD<sup>+</sup> derivatives

Thisbendazole, disease control. Asocochyta rabiei, disease transmission, Cicer arietinum, disease control, Ascocriya Father, Joseph September 1969. disease control, pathogens, fungi, Agaricus brunnescens 8132. disease control, post-harvest decay, oranges, stem rot, green mold 5470. resistance, Penicillium falicum, Penicillium digitatum, post-harvest decay,

mixed culture, Thiobacillus thiooxidans, removal, arsenic, sulfur compounds 8261.

Inoctic acid,
localization, dihydrolipoamide dehydrogenase+oxoglutarate dehydrogenase
(lipoamide)+ dihydrolipoamide succinyltransferase multienzyme complexes, electron
microscopy, Escherichia coli 7702.

Thiocygnate, +lactoperoxidase, +hydrogen peroxide, antibacterial activity, Streptococcus agalactiae, cystine, reduction, antagonism 3058.

Thioesters, phalloidin cross-linking, conformation, N.M.R., C.D., Amanita phalloides 3755.

Thiol broth.

Finoi profit, inactivation, penicillins 512.

Thiolester hydrolese, Pseudomonas putida, 2-(2,4-dichlorophenoxy)ethyi sulfate activation, soil 880.

Thiophanate-methyl, drug tolerance, identification methodology, Fusanum 7213.

role, Colletotrichum gloeosporioides polygalacturonase inhibition 1224.

Thiophenes: antifungal activity photoinduction 3060.
2-Thiophenecarboxylic acid, biodegradation, bacteria, reviews 7825.
Thioredoxin,

tertiary structure, protein structure, Escherichia coli, phage T4, homology,

Thioredoxin, (continued)

Thioredoxin, (continued) glutaredoxin 7666.
Thiosemicarbazones,
2-acetylgmidine, 2-acetylquinoline, 1-acetylisoquinoline,
3-acetylisoquinoline, antibacterial activity, Enterobacteriaceae, Staphylococcus aureus, Neissena 7372.

Thiosulfic acid

Thiosulinc acid, oxidation, Thiobacillus enzymes, isolation, characterization 942. Thiosulphate sulphurtransferase, soil microorganisms, humus, forests, Picea 2916. Thiotetramycin, enalogs, synthesis, antibacterial activity 2272.

structure, Streptomyces 3168.
5'-0-(3-Thiotriphosphate),
hydrolysis, inorganic pyrophosphatase, yeasts 3511.
Thiotropecin.
Pseudomonas, structure 6551.

Thloures, disease control, Botryodiplodia theobromae, fruit rot, Citrus reticulata 5525. Thiram.

ntram, efficacy, phytopathogenic fungi incidence, Phaseolus vulgaris 2086. seed treatments, disease control, damping-off, downy mildew, Brassica 8141. seed treatments, seed-borne diseases, Pinus roxburghii 8176. sensitivity, ectomycorrhizas, silviculture 7299.

Seristuriy, Thortum, adsorption, Rhizopus arrhizus biomass 3978.

Threo-1-phenyt-2-nitro-1,3-diacetoxy-propane, Threo-1-phenyt-2-nitro-1,3-diacetoxy-propane, effects on rRNA 18S, rRNA 2SS levels, Fusarium oxysporum 8921.

homoserine biosynthesis, effects on, Brevibacterium flavum 857, overproduction, mutants, transformation, Brevibacterium lactofermentum 5116. Threonine dehydratase, activity, L-isoleucine inhibition, allosteric properties, kinetics, Saccharomyces carlsbergensis 7727.

Throat, isolates, man, Streptococcus identification methodology 1669, isolates, man, Streptococcus identification, clinical microbiology 717.

Thuja plicate, seedlings, mycorrhizas growth, forests litter effects on 5546.

Thymidine, management of the proposed in the company of the company o

incorporation analysis, cell culture, Mycoplasma infection screening 4190. incorporation, DNA, bacteria, measuring techniques 5907. inhibition nucleosides analogs antiviral activity, herpes simplex virus 1,

inhibition nucleosides analogs antiviral activity, herpes simplex virus 1, kinetics 460.

Thymidine kinase, antigenic characteristics, typing, herpes simplex virus, clinical isolates 594. herpes simplex virus 1, phosphorylation, sensitivity relationship, 9-(2-hydroxyethoxymethyliguanine, [2-bromoviny])-2-deoxyuridine 2225. loci, relationship, 9-(2-hydroxy ethoxymethyliguanine, resistance, herpes simplex virus 1 5723.

virus 1 5723.
Tymidine, 2-oxoglutarate dioxygenase,
purification, characterization, electrophoresis, chromatography, Neurospora
crassa 512etro-americana,
growth conditions 7634.
Tabendazol,
seed treatments, seed germination, Zea mays 2094.

Tiamulin, antibilotic resistance, antibiotic sensitivity testing, Mycoplasma, animal isolates, chickens 3087. Tiazofurin,

synergism, ribavirin, selenazofurin, antiviral activity, togavirus, bunyavirus, arenavirus 9117.
Ticarcillin,

nutrum, antibacterial activity, Enterobacteriaceae 4809. antibiotic synergism, amikacin, antibiotic sensitivity testing, Pseudomonas aeruginosa, Pseudomonas cepacia, clinical isolates, cystic fibrosis, children 3170.

bactericidal activity, Pseudomonas aeruginosa, agar diffusion test, comparison, ditution tests 4841.
+ clavulanic acid, aritibacterial activity, clinical isolates, Enterobacteriaceae

4835

+4433.
+clavulanic acid, antibacterial activity, Enterobacteriaceae 9191.
± clavulanic acid, antibiotic sensitivity testing, gram-negative bacteria, Staphylococcus aureus 4786.

Staphylococcus aureus vensarivity tesung, gram-negative bacteria, Staphylococcus aureus 4786.
+ clavulario acid, disc-diffusion test, antibiotic sensitivity testing, bacteria, ctinical solates 5774.
+ fritampicin+tobramycin, antibacterial activity 8357.
Streptococcus group B susceptibility 1381.
Tlck-borne encephalitis virus, antibodies, immunoglobulin M, detection, indirect fluorescent antibody test, antibodies, immunoglobulin M, immunoglobulin G, enzyme-linked immunosorbent assay standardization, serum levels, man 2447.
propagation, cell culture, methodology 2433.
Tillage, association, pathology, take-all, Gaeumannomyces graminis var.tritici, Triticum aestivum 7977.
disease control, Peronosclerospora sorghi downy mildew, Sorghum bicolor 1175.
Tillata carles, spore germination, lectins effects on 3877.

spore germination, lectins effects on 3877. Titletia foetida,

virulence, races, bunt, Triticum aestivum, Pakistan 7965.

effects on Aspergilius parasiticus aflatoxins biosynthesis, in vitro 7067. effects on culture, fungi, clinical isolates, sputum 807. planting density, effects on, leafspot, Cercospora canescens, pathogenesis, Phaseolus mungo 7929. Vibrio parahaemolyticus isolation, seafood, growth optimization 194. In.

antifungal activity, Cunninghamella echinulata, Fusarium oxysporum 1341. biocides, paints, inhibition activated sludge, wastewater treatment 6673. Tinidazole,

synergism, ampicillin, doxycycline, cotrimoxazole, antibacterial activity,

Tinidazole, (continued) anaerobic bacteria 7366

Tioconazole,

Tioconazole, antifungal activity, relative inhibition factors measurements, dose-response effects 4017.

Tipula iridescent virus,

ripula irrioetemi virus, pathogens, natural enemies, surveys, use, biological control, bacteria 2662. Tipula paludosa, natural enemies, pathogens, Tipula iridescent virus, nuclear polyhedrosis virus, bacteria, use, biological control 2662.

bacteria, use, biological currior social prices. Trisse, builking agents, composting, sewage sludge, aeration 4082. Tissue culture, identification, cytomegalovirus, monoclonal antibodies, fluorescence, staining, methodology 8441. identification, influenza virus, immunofluorescence, models 610. meristem tip culture, plant viruses, plant breeding 3859. methodology, herpes simplex virus 1, herpes simplex virus 2, isolation, identification 650. methodology, live vaccines production, rinderpest virus 3181.

identification 650.
methodology, live vaccines production, rinderpest virus 3181.
Nicotiana tabacum, Agrobacterium rhizogenes transformation, effects on susceptibility, infection, tobacco mosaic virus, potato virus Y 8076.
petioles, ribavirin, antiviral activity, potato virus Y, tobacco mosaic virus, cucumber mosaic virus, Nicotiana tabacum 3904.

Sindbis virus detection, immunoelectron microscopy methodology 8443. systems, bovine rhinotracheitis virus plaque assay 4155.

Tissues

detection, polyoma virus, genomes, mice, methodology 6744. detection, Yersinia pseudotuberculosis subsp.pestis, antigens, radioimmunoassay

leaves, variability, inclusion bodies, potyvirus 8825. persistence, klorocin, disease control, stalk rot, Erwinia chrysanthemi, Zea mays 8929.

plants, tobacco mosaic virus RNA detection, hybridization analysis, enzyme-linked immunosorbent assay 4499.

Solanum tuberosum, Corynebacterium sepedonicum infection diagnosis 8869.

Titanium(III), nitrilotriacetic acid. use, Butyribacterium methylotrophicum media 769

surfaces, microorganisms colonization, rivers water exposure 3650.

Titanium citrate, reducing aminis confizacion, rivers water exposure 5000.

Titanium citrate, reducing agents, media (culture), enumeration, inhibition, growth, anaerobic bacteria, rumen 9301.

Titration,

induon, chloramphenicol 5779. methodology, brucellosis diagnosis, Coomb's test 784.

Tobacco, microorganisms biologradation, books 1883.
post-harvest decay, Meloidogyne arenaria incidence, USA, South Carolina 3852.
Tobacco etch virus,
Aphididae, association, helper factor, disease transmission, Nicotiana tabacum

Aphididae, association, helper factor, disease transmission, Nicotiana tabacum 4552.
disease resistance, cuitivars, Capsicum annuum 8070.
disease resistance, plant breeding, cultivars, Capsicum annuum 8909.
Tobacco leaf curl virus,
Nicotiana tabacum, China, Peoples Rep. 7182.
Tobacco mosale virus,
Ampelopteris prolifera, leaves, extracts, antiviral activity 8333.
antiviral activity, Chenopodium ambrosoides plant extracts, foliar applications, disease control 8140.
antiviral advirty, ribarvirin, petioles tissue culture, Nicotiana tabacum 3904.
antiviral advirty, ribarvirin, petioles tissue culture, Nicotiana tabacum 3904.
antiviral advirty, ribarvirin, petioles tissue culture, Nicotiana tabacum 3904.
antiviral adjentis, effects on 4024.
+ bean golden mosale virus, mixed infection, Phaseolus vulgaris, pathogenesis 244.
coat protein, mRNA characterization, Nicotiana tabacum mesophyli protopiasts 286.
enzyme-linked immunosorbent assay detection, dieback, Fraxinus americana 8951.
experimental infection, Nicotiana tabacum, incoulation methodology 6264.
hypersensitive response, ethylene biosynthesis, temperature, light effects on, Nicotiana tabacum 2061.
infection, Capsicum, identification 8228.
infection, disease resistance, Phaseolus vulgaris, relationship, leaves sucrose content, light 8886.
infection, ditylene biosynthesis, hypersensitive response, Nicotiana tabacum

infection, ethylene biosynthesis, hypersensitive response, Nicotiana tabacum

infection, hypersensitive response proteins, isolation, leaves, hypersensitive response 7199.

infection, Lycopersicon esculentum, pathogenicity, cross-protection 8042, infection, Nicotiana tabacum, hypersensitive response, lignification enzymes 7193.

infection, plants, hypersensitive response, proteins analysis 7916. infection, susceptibility, Agrobacterium rhizogenes transformation Nicotiana tabacum roots tissue culture effects on 8076.

infection, Vigna unguiculata mesophyli cells, pathogenesis 6225. infection, Vigna unguiculata mesophyli cells, pathogenesis 6225. infectivity, abscisic acid, Chenopodium amaranticolor 2044, infectivity, Phaseolus vuigaris, Nicotiana tabacum, Tribrachium alkaline proteinase inhibition 2806. infectivity, replication, disease control, a-interferon, Nicotiana tabacum infectivity, replication, disease control, a-interferon, Nicotiana tabacum

8928

6326.
mixed infection, Glomus, Lycopersicon esculentum, electron microscopy 4535.
multiplication, spreading, Nicotiana tabacum cultivars, aspirin, polyacrylic acid
effects on 1141. effects on 1141.

plant diseases, Nicotiana tabacum; inhibitors, antiviral activity 4575.

polyanions antiviral activity 9129.

+ potato virus X mixed infection, Datura stramonium leaves lesions 288.

ribavirin, antiviral activity, characterzation 8332.

ribonucleoproteins, role, disease transmission, characterization 8662.

RNA biosynthesis, inhibition, 2-(a-hydroxybenzyl)benzimidazole, disease control, Nicotiana tabacum 7216.

RNA, detection, hybridization analysis, enzyme-linked immunosorbent assay, plants, tissues, protopiasts 4499.

Tobacco necrosis virus, disease resistance, Vigna unguiculata, nutrition effects on 312.

hypersensitive response, Nicotiana tabacum 2057.

infection, Cucumis sativa cotyledons, proteins fraction characterization 1143.

infection, ethylene biosynthesis, hypersensitive response, Nicotiana tabacum

## Tobacco necrosis virus, (continued)

infection, Vigna unguiculata mesophyll cells, pathogenesis 6225. Tobacco rattle virus,

infection, Lycopersicon esculentum, pollen, formation, ultrastructure 8005. spraing, disease resistance, Solanum tuberosum, Denmark 8910.

spraing, disease resistance, Solanum tuberosum, Denmark 8910.

Tobacco ringspot virus,
enzyme-linked immunosorbent assay detection, dieback, Fraxinus americana 8951.
hosts, weeds 3818.

Tobacco streak virus,
disease transmission, seed-borne diseases, Fragaria vesca 6267.
isolation, characterization, host range 4565.

Tobacco vein mottiling virus,
detection, identification, Nicotiana tabacum 6271.
Tobago,
nitrocen-fixing bacteria. soil 6359.

Tobago, nitrogen-fixing bacteria, soil 6359.
Tobamovirus, immunoelectron microscopy, concentration, methodology 651. infection, identification, Capsicum 8828.

Tobramycin,
antibacterial activity, clinical isolates 7444.
antibacterial activity, Mycobacterium fortuitum, Mycobacterium chelonei 4850.
antibiotic resistance, R factors characterization, clinical isolates,
Staphylococcus aureus 9178.
Staphylococcus aureus 9178.

antibiotic score aureus 9176.

antibiotic sensitivity testing, disc-diffusion test, Pseudomonas aeruginosa, statistical analysis 479.

antibiotic sensitivity testing, Preudomonas aeruginosa 3079.

antibiotic sensitivity testing, Pseudomonas aeruginosa 3079.

antibiotic sensitivity testing, Pseudomosa aeruginosa, 3079.

antibiotic sensitivity testing, Pseudomosa aeruginosa 3079.

antibiotic sensitivity testing, Pseudomosa aeruginosa 3079.

antibiotic sensitivity testing, Pseudomosa aeruginosa 3079.

antibiotic sensitivity test

Tobravirus, infection, Fraxinus mariesii, characterization 1238

Togavirus, antiviriy, synergism, selenazofurin, tiazofurin, ribavirin 9117. Tolonium chloride, staining, bacteria 5922.

Toluene, biodegradation, plasmids, genetic analysis, reviews 8284.

Tolule acid, biodegradation enzymes, Alcaligenes eutrophus 4422. 4-Tolyidiodomethyleulfone, paints, antifungal activity 1289. Tolypocledium inflatum, cyclosporin A biosynthesis pathway 7780. cyclosporin A, cyclosporin H, synthesis 8625. Tolyposportum ehrenbergii, lipids production, carbon sources, nitrogen sources 1850. lipids production, factors affecting 5250. Tomstidine.

lipids production, carbon sources, hirrogen sources 1850. lipids production, factors affecting 5250.

Tomatidine, biodegradation, Gymnoascus reesii 7839.

Tomato bushy stunt virus, FINA cleavage, infectivity, Lycopersicon esculentum 2013.

Tomato golden mosale virus, infected. Nicotiana berthamiana, DNA, supercoiling, isolation, methodology 6279.

Tomato leef curl virus, infection, Bemisia tabaci, disease transmission, Lycopersicon esculentum, association, environmental factors 8022.

Tomato mosale virus, infection, Capsicum, identification 8828.

Inaves histopathology, Datura metel, Nicotiana tabacum 7168. strains, etiology, Lycopersicon esculentum ring spot, USA, California 8842.

Tomato ringspot virus, disease reservoirs, Taraxicum officinale, vectors, Xiphinema, stem pitting, Prunus persica, USA, Pennsylvania 8811.

distribiton, Malus pumila leaves, bark, roots 7994. hosts, weeds 3818. infection, Prunus domestica, Prunus cerasifera, Prunus persica 7997. infection, Prunus domestica, Prunus cerasifera, Prunus persica 7997. infection, Prunus persica, detection, enzyme-linked immunosorbent assay 3813.

infection, Prunus domestica, Prunus cerasifera, Prunus persica 7997.
infection, Prunus persica, detection, enzyme-linked immunosorbent assay 3813.
infection, susceptibility, hybrids, rostotscks, Prunus domestica × Prunus
persica, Prunus domestica × Prunus cerasifera 4528.
Xiphinema californicum, role, disease transmission, Prunus 4529.
Tomato sported with virus,
infection, Lycopersicon esculentum, cytokinins content 4567.
Tomato yellow leaf curl virus,
plant diseases, Lycopersicon esculentum, cytokinins content 4567.
Tomato yellow mosaic virus,
infection, Lycopersicon esculentum, effects on metabolism 6265.
Tomato yellow top virus,
antigenic relationship, potato leaf roll virus, beet western yellows virus,
infection, Lycopersicon esculentum, Solanum tuberosum 8847.
physicochemical properties, disease transmission, Myzus persicae, host range,
Solanacoae 7180.
Tomatoes. Tomatoes,

Tomatoes,
canning, sterilization, Bacillus licheniformis, spores 7033.
food processing effects on food contamination, bacteria 6984.
post-harvest decay, disease control, antifungal activity, sodium dodecylbenzene
sulfonate 8054.
post-harvest decay, Geotrichum, fungicides, disease control 1168.
postharvest decay, Mucor, disease control 5472.
Tombusvirus,
clast disease, I vegorarione sequientum. Pelargonium 4540.

plant diseases, Lycopersicon esculentum, Pelargonium 4540.

plant creeases, propersion escuentari, collagoriani Torilla japonica, biological control, galls, leaves, Protomyces macrosporus 8029. Torolupeia aphaerica, single-cell protein, whey fermentation 1720.

Toromycin, identification, physicochemical properties 6580.

Torulopsis bombicola, glycolipids production 5221. production, surfactants, glycolipids 1846. Torulopsis bovina,

Torulopals bovina, single-cell protein, whey fermentation 1720. Torulopals candida, culture, use, palm oil, single-cell protein production 2553. rubeomycin B biosynthesis, rubeomycin A transformation 1415. Torulopals ethanolitolerans, single-cell protein, production, ethanol utilization, potassium nutrient requirements 3409.

requirements 3409.
single-cell protein production, industrial wastes, distilleries 865.
Torulopsis glabrata,
clinical isolates,
1-(4-chlorophenoxy)-3,3-dimethyl-2-(1,2,4-triazole-1-yl)methylbutan-2-ol,
1-(4-chlorophenoxy)-1-(1-imidazolyl)-3,3-dimethyl-2-butanol hydrochloride,
antifungal activity 4756.
antifungal activity 4756.
antifungal activity 4756.
Tormules descion, API test 2528.
Tormules descion, API test 2528.

Torulopais utilis, single-cell protein, lysine bioavailability 1730. single-cell protein, nutrient availability, juveniles, cattle 1921. 
Tosylhydrazones, reduction, association, macrolide antibiotics, derivatives, synthesis 3174. 
Toxic shock syndrome, exotoxins, biosynthesis, purification 3752. 
Staphylococcus aureus toxins, biosynthesis, purification 3752. 
Staphylococcus aureus, toxins markers, detection methodology 1084. 
effects on microorganisms metaboless.

offects on microorganisms metabolism, aquatic communities, measurements methodology 1535. industrial wastes, waste treatment, use, biotechnology, methodology 8398. waste water, wastewater treatment, use, bacteria, methodology 8399.

waste water, wastewater treatment, use, business.

Toxicity,
Ageratum houstonianum essential oils, Microsporum gypseum 5505.

amphotericin B, Candida albicans 4859.

Bacillus thuringiensis, Aedes aegypti, Culex molestus, larvae, biological control Bacillus thuringiensis subsp.israelensis proteins crystals, Aedes aegypti larvae,

Bacillus thurngiensis subsp.israelensis proteins crystals, Aedes aegypti larvae, solubilization methodology 1859. cephalospornis, antibacterial activity, pharmacokinetics, reviews 5767. cephalospornis, antibacterial activity, pharmacokinetics, reviews 6767. copper, Beilus megaterium, siderophores enhancement 6444. copper, Neurospora crassa 1312. metals, effects on soil microorganisms biomass 8255. permethrin derivatives, soil microorganisms, fungi 2174. https://posphonemethyligity.ci.posarinie.ammonium, hexazzinone, soil microorganisms

re-prospinoriomeny/giyone, losalimite amininium, nexazinore, soil microorganis 2175.
phytotoxins, soil microorganisms composition, Malus pumila rhizosphere 2146. wood, preservatives, diffusion, fungi 1251.
Toxico testimorment pollutants, bioassays, luminous bacteria 1601. bioassays, activated studge respiration, chemical pollution 543. chick embryos, «toxici, Clostridium perfringens 8736.
Clostridium spiroforme enterotoxins, characterization, purification 4481. safety regulations, food industry, enzymes, microorganisms 44. soil microorganisms, dissolved oxygen uptake, reszzurin test 398.
Trichosporon cutaneum, single-cell protein, rats 1915.
Toxigenicity, correlation, Clostridium difficite plasmids 1372. counter immunoelectrophoresis, Corynebacterium diphtheriae 7900.
Escherichia coli, antibiotic resistance relationship 6424.
Toxin, Helminthosporium maydis, mitochondria, calcium transport inhibition, Zea mays 7156.

7155. Helminthosporium, Zea mays susceptibility, reviews 1123. T-2 Toxin,

antibodies association, production, use, detection, food contamination, serum-levels, reviews 7082.

bloassays, growth, larvae, Mamestra configurata 3731.
biosynthesis, Fusarium tricinctum, isolation, Festuca arundinacea 7059.
books 5939.

books 5939.

detection, media (culture), Fusarium, methodology 3748.
diacetoxyscirpenol, feeds contamination, feeding behavior, chickens 7898.
electrophoretic mobility, fungi 5379.
fungi, liquid chromatography assays, Triticum aestivum, Secale cereale 3739.
Fusarium acuminatum, biosynthesis, sorbic acid, stimulation 2761.
Fusarium, detection, grain, Egypt 7099.
Fusarium, detection, grain, Egypt 7099.
Fusarium sporotrichioides, detection, Zea mays, enzyme-linked immunosorbent assay

5365

incidence, wheat 1927.

α-Toxin. Staphylococcus aureus, detection, enzyme-linked immunosorbent assay methodology 4186.

8-Toxin,
Bacillus thuringiensis, propagation, whey recycling methodology, biological control, Insecta 6899. toxicity testing, chick embryos, Clostridium perfringens 8736.

Streptococcus pyogenes, purification, characterization 1956. X-ray crystallography, Staphylococcus aureus 6214. Toxin C,

Toxin C; Streptococcus pyogenes, purification, characterization 8752. Toxins, Alternaria, host-pathogen interactions, plant diseases, reviews 5393. amino acid sequence, nucleotide sequence, genes, Corynebacterium diphtheriae 7119

ATI9.
amino acid sequence predictions, use tox gene nucleotide sequence,
Corynebacterium diphtheriae 7912.
Bacillus sphaericus, genes, gene expression, use biological control 8628.
Bacillus thuringiensis subsp.israelensis, biological control, Culicidae, toxicity

7790. Bacillus thuringiensis, toxicity, comparison peptide antibiotics, larvae, Aedes

aegypti 2661: bioassays, Pasteurella multocida 8761. bioassays, growth rate, Clostridium perfringens, Clostridium botulinum 1951.

Transfection, (continued) mammalian cells, use papilloma virus (bovine) cloning vectors 629. phage M2 DNA, Penicillium islandicum islandic acid effects on 9120. SV40, DNA, Vero cells, methodology 5000. Toxins, (continued) oxms, (continued) biosynthesis, plant diseases association, Pseudomonas syringae 6209. Campylobacter fetus, Campylobacter coli, characterization 3761. Cercospora beticota, inhibition, Pisum sativum, protons, uptake 7122. characterization, Corynebacterium ulcerans, Corynebacterium pseudotuberculosis Transferase, activity, oxaloaceta aerogenes 1791 Transformation, tate decarboxylase α-chains, membrane proteins, Klebsiella Clostridium botulinum, inhibition, iron chelating agents, nitric oxide, carbon monoxide, pork, minced meat 7035.

Clostridium botulinum, production, bacon contamination, radiation effects on amino acids overproduction mutants, Brevibacterium lactofermentum 5116. α-amylase purfication, characterization, mutants, Bacillus subtilis 4287. Bacillus licheniformis plasmid pLP11, gene expression, β-lactamase, Bacillus stearothermophilus 8543. 7039
Clostridium botulinum type E, production, steam pasteurization, freezing, saaflood, Crassostrea virginica 5364.
Clostridium botulinum, vegetables, canned food 3719.
Clostridium difficile, artibodies, detection, enzyme-linked immunosorbent assay staaromermopinuis cea-s.
Bacillus sphaericus, protoplast fusion, plasmid pUB110, plasmid pBC16, sporulation, biological control, Culicidae 2866. carbohydrates, immobilized celle 2724. Cellulomonas fimi cellulase genes, bost systems, Escherichia coli 6018. centromeres DNA, isolation methodology, gene libraries, Saccharomyces cere 230.
Clostridium difficile, detection, feces, enzyme immunoassay 6216.
Clostridium difficile, detection, identification, media (isolation) 229.
Clostridium difficile, detection, identification, media (isolation) 229.
Clostridium difficile, operation, McCoy cells monolayers use 4478.
Clostridium tetani, production, fermenters, association vaccines 2321.
Clostridium tetani, pruffication, characterization 7907.
Cortinarius, high-performance liquid chromatography 3741.
Corynebacterium dipthrenae, conformation association acids, sodium chloride effects on, fluorescence 5388.
Corynebacterium dipthrenae, synthesic peptides, combined vaccines, Sireptococcus, hepatitis B surface artigen, artibody response, mice 9219.
Corynebacterium rathayi, production, infection, canker, pasture, Lolium perenne 6215.
detection, bioassays, Clostridium difficile, antisera, adsorption 5382. cioning vectors, lactose lac gene, Streptococcus lactis 6991. Escherichia coli, malic acid assimilation, maiolactic fermentation, Leuconostoconos 3627. oenos 3627,
methodology, yeasts 816.
methodology, yeasts 817.
v-mos gene proteins, inhibition, immunoglobulin G antisera, vaccines models,
Moloney sarcoma virus 6648.
Neisseria gonorriboeae, methodology, infection detection, clinical isolates 727,
leasmid pLZ64, genes, 6-phospho-β-D-galactosidase, lactose metabolism,
Lactobacillus casei 5345.
plasmids, drug resistance, Escherichia coli 7337.
protoplasts, plasmids DNA, gene transfer, Corynebacterium glutamicum 6059
yeasts, books 842.
yeasts cytochrome c CYC1 gene, Escherichia coli 819. detection, bioassays, Clostridium difficile, antisera, adsorption 5382. food poisoning, bacteria, inactivation, cooking temperature, stuffing, poultry 5349. yeasts, books 842.

yeasts cytochrome c CYC1 gene, Escherichia coli 819.

Transformed cells, herpes simplex virus, interferon effects on 462.

Transgrow media, use, amonium bicarbonate, comparison, carbon dioxide, Neisseria gonorrhouse, carbon dioxi formation, Clostridium botulinum, inhibition, fumaric acid esters, canned food, bacon 7034. use, ammonium bicarbonate, companson, carbon dioxide, Ne solation 3288.

Transition metals, chelates, affinity chromatography, proteins purification 3430.

Translation, cell-free systems, books 842. cell-free systems, preparation, Saccharomycas cerevisiae 821. polyribosomes, activity, Hordeum vulgare leaves, Erysiphe gramınis f.sp.hord infection 251. Translocation Transiccetion, Fusicoccum amygdali infection, Prunus amygdalus 8809.
nitrogen fixation, vascular system, Glycine max, Rhizobium japonicum 2956.
Transmissible gastroenterfits virus, antiviral activity, isathizone 1344.
glycoproteins, vaccines production 6661. Transmission,
Bacillus contamination, blood culture, role, cotton use disinfection 3223.
potato virus S, cutting instruments, Solanum tuberosum, greenhouses, crop f botato Virtus S, citating instantinates Scientini tuberusaria, Scientini tuberusaria, Scientini Solicia, Scientini Spiropiasma, Euscelidius variegatus vectors, Sinapis alba, Pisum sativu. Raphanus sativus, Spinacia oleracea 8030.

Transmiasione electron microscopy, Arthrobotrys oligospora, predator-prey interactions, Nematoda 2125.

Transmiasion (mechanical), dandelion yellow mosaic virus, Lactuca sativa, Taraxacum officinale 2043.

Transmiasion (seed), Acremonium coenophialum infection, Festuca arundinacea 8790.

blight, Gossypium barbadense, Gossypium hirsutum 8037.

brome mosaic virus, detection, immunodiffusion, enzyme-linked immunosorbu assay, immunoelectrobotiting, seeds, Trificum aestivum 8787.

Erwinia soft rot, Solanum tuberosum 8870.

Marssonina brunnea infection, Populus 2113.

peanut mottle virus, seeds screening, enzyme-linked immunosorbent assay, Appogaea 8769. vaccines 4078.
Vibrio cholerae, reviews 2768.
Vibrio cholerae, synthetic antigens, vaccines 6654.
victorin, purification, high-pressure liquid chromatography, U.V. spectroscopy,
Bipolaris victoriae 7910.
victoxinin dedrivatives, isolation, N.M.R., Helminthosporium victoriae 3733. peanut mottle virus, seeds screening, enzyme-linked immunosorbent hypogaea 8759. 
prinius necrotic ringspot, Prunus spinosa, characterization 8003, seed-borne diseases, Didymella bryoniae, Cucurbitaceae 8036. 
Transmission (vertical), cherry leaf roll virus, virus-like particles, localization, pollen, anthers, Prunus avium, Betula pendula, Juglans regia 7990. victoxinia derivatives, isolation, N.M.R., Helmintrosporium victoriaes 37-25.

Taxolds,
Clostricium tetani, adjuvants, Corynebacterium diphtheriae synthetic peptides, antigenicity, vaccines, mice 8656.
Clostricium tetani, corjugation Neisseria meningitidis lipopolysaccharides, antibody response, vaccines, rabbits 1452.
Corynebacterium diphtheriae, + Haemophilus influenzae polysaccharides, combined influenciation, particular mycorrhizas inoculation, plinus caribaea 5569.
Corynebacterium diphtheriae toxins 4891.
Pseudomonas aeruginosa, production, genetic analysis, immunogenicity, Corynebacterium diphtheriae disputation, antibiotic resistance, gentamicin, plasmids, Staphylococcus aureus 9066.
Transposon 36 containing cloning vectors 758.
Transposon 36 containing cloning vectors, transposition 758.
Transposon 76 containing cloning vectors, transposition 758.
Transposon 77 containing cloning vectors, transposition 758.
Transposon 78 containing cloning vectors, transposon 78 containing cloning v Transposons, antibiotic resistance gene transfer, tetracycline, conjugation, Streptococcus 6431.
transposon yō containing cloning vectors, transposition 758, transposon yō containing cloning sites, genetic control, tetracycline, antibiotic resistance, Escherichia coil 1315.
transposon Tn5, mediation, streptomycin, antibiotic resistance, Escherichia coil Rhizobium meliitot 7336.
transposon Tn5, streptomycin, kanamycin resistance genes, hybridization an gene expression, Escherichia coil, Rhizobium meliitot 442.
transposon 10, association, tetracycline, antibiotic resistance, Haemophilus parainfluenzae, homology, Escherichia coil Gin7a.
Traveller's diarrhea,
Escherichia coil clinical isolates, enterotoxins detection, Biken test 1938. pathogens, media (transport), isolation, methodology 9309. vaccines 4078.

Toxorhynchites,
larvicides, pathogens, Bacillus sphaericus, Bacillus thuringiensis 1841.

Toxorhynchites amboinensis,
cells, cell culture, dengue virus, methodology 639.

Tozzis alpine,
leaves, symbionts, bacteria, actinomycetes, ectomycorrhizas 8204.

Trachyloban-19-oic acid,
isolation, Helianthus annuus, antibacterial activity, Staphylococcus aureus,
Mycobacterium smegmatis 4009.

Trains. Trains, bathrooms, airborne microorganisms analysis 579. bamrooms, artisone financingains a larger of a first factor of the control of the rees, comparing all, Agrobacterium tumefaciens, characterization 5583. ectomycorrhizas, conferences 5945. ectomycorrhizas inoculation, methodology, reviews 831. ectomycorrhizas inoculum production, methodology, reviews 830. ectomycorrhizas, research programs, forestry 5550. inoculum, culture, ectomycorrhizas 5163. hepatitis B surface antigen, animal cells, vaccines production, hepatitis B virus 6594.

```
Trichoderma, (continued)

cellulase, biodegradation, man-made lignocelluloses 2711.

cellulase, kinetice cellulose hydrolysis 85.

cellulase production vecening lojects 6883.

cellulolytic enzymes production, use bagasse 6023.

cellulolytic enzymes production, use bagasse 6023.

cellulose hydrolysis, glucose formation, kinetics mathematical models 1798.

composts, suppression, damping-off, Rhizoctonia solanii, Raphanus sativus 290.

fermentation, cellulose, hemicellulose, cellulase activity, 3622.

growth, contamination, taints production, corks, wine 7798.

parasitism, phytopathogenic fungi biological control, ultrastructure 1213.

pectinesterase, catalysis pectin 8595.

soii isolation, media (selective) 797.

spores, thermal injury, preservatives effects on, germination, growth 1072.

votatiles, biological control, Basidiomycetes 7245.

Trichoderma album,

single-cell protein production, sugar beets fermentation 1716.

Trichoderma hamatum,

growth, spore germination, antifungal activity, metham, soil fumigation 8924.

parasitism, phytopathogenic fungi biological control, ultrastructure 1213.

Trichoderma harztanum,

biological control, Scierotium rofisii, plant diseases, Helianthus annuus 4586.

biological control, Scierotium rofisii, plant diseases, Helianthus annuus 4586.

biological control, Scierotium rofisii, plant diseases, Helianthus annuus 4586.

biological control, Rhizoctonia solani 8919.

cellulase, iginocelluloses bydrolysis, factors affecting 1892.

enhancement, growth, Raphanus sativus, controlled conditions, association, experimental methods 8228.

growth, spore germination, antifungal activity, enhanol production 5274, perastitism, phytopathogenic fungi biological control, ultrastructure 1213.

septimental methods 8228.

growth, spore germination, antifungal activity, enhanol production 5274, perastitism, phytopathogenic fungi biological control, propathogenic fungi biological control, propathogenic fungi biological control, propathogenic fungi biological control, propathogenic fungi biologica
        Trees, (continued)
mycorrhizas, books 3381.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Trichoderma, (continued)
                       ornamental plants, diseases, books 840.

phosphate, nutrient uptake, physiology, colonization, roots 5554.

response association ectomycorrhizas inoculation, environmental effects, reviews 350.
  350.
response association ectomycorrhizas inoculation, factors affecting, reviews 349.
roots colonization, inoculum potential, competition, ectomycorrhizas 5563.
roots, ectomycorrhizas colonization, environment factors 5551.
shoots culture, antibiotics decontamination, gram-negative bactena 5762.
Uncinula, host-pathogen interactions, isolation, morphology 8191.
q.-Trehalose,
hydrolysis, substrate specificity, Trichoderma reesei 4326.
Trehalose,
bioaccumulation, streptomycin production, Streptomyces griseus 4848.
Trehalose,
Rhodococcus erythropolis, biosynthesis intermediates 978.
        Tremorgens, myootoxins, food contamination, Zea mays, intoxication, cattle 6205.
     mycotoxins, total community of the property of the provided provid
     antibacterial activity, artibiotic X-14885A 1442.
dysentery, prophylaxis, treatment, pyrantel tartrate, +tylosin, +lincomycin, feeds, pigs 1918.
Teponema pallidum, artigens, use, enzyme-linked immunosorbent assay, methodology 2508. enumeration, enzyme-linked immunosorbent assay, methodology 5034. susceptibility, oxygen reduction products, in vitro 6457. syphile, diagnosis, hemagglubnation, comparison, fluorescent antibody test, man syphile, diagnosis, hemagglubnation, comparison, fluorescent antibody test, man
     3317.
syphilis, diagnosis, use, toluidine red serum tests, man 2511.
syphilis, immunodiagnosis, hemadsorption 2500.
syphilis, rapid plasma reagin test screening, man 2453.
Tesonema pectinovorum,
pectinolytic enzymes, isolates 6824.
Tesonoma phagedenia,
flagella, immunoglobulin M detection, enzyme-linked immunosorbent assay
methodology, syphilis, rabbits 765.
        Trestatin,
     Treatatin,
Streptomyces dimorphogenes sp.nov., isolation, α-amylase inhibitors 1445.
structure, spectroscopy, Streptomyces dimorphogenes sp.nov. 1447.
Trl-N-burty phosphate,
+ Tween 80, influenza A virus disruption 4076.
Trlacyfglycarol lipase,
biosynthesis, fermentation conditions, Bacillus stearothermophilus 6020.
biosynthesis, Fhizopus microsporus 6872.
chemical modification, benzene interaction 6033.
extracellular enzymes, food industry, reviews, microorganisms 2600.
extracellular enzymes, propylene phenoxetol inhibition, Propionibacterium acnes
4725.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          p-D-glucosidase purification 5991.

β-D-glucosidase purification 5991.

β-D-glucosidase purification, characterization 4342.

β-D-glucosidase, purification, characterization 7744.

Trichoderma resease,
aspartic proteinase isoenzymes, purification, characterization, cellulase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            aspartic proteinase isoenzymes, purification, characterization, cellulase hydrolysis P57.
catabolite r.pression, resistant mutant, cellulase, production, screening, media (enrichment) 1797.
cellulase, bagasse hydrolysis, sugars production 1808.
cellulase, bagasse hydrolysis, sugars production 1808.
cellulase biosynthesis, ATP levels 3506.
cellulase biosynthesis, ATP levels 3506.
cellulase, cellulose hydrolysis 6024.
cellulase, cellulose hydrolysis, microfibrils formation 3472.
cellulase, cool corp residues cellulose hydrolysis 8678.
cellulase, crop residues fermentation, production, butanol, acetone, Clostridium acetohiu-licium 7832.
                    extraceuluar erazymes, propylene prienoxetoi ininibition, Propinioacierium ach 4725, fats esterification, Immobilized enzymes, Rhizopus delemar 67; fats esterification, ripening, cheese flavor, cheese 7860. hydrolysis, methyl-2-chloropropionic acid, stereoselectivity, esters production, Candida cylindracea 7769; inhibitoris, purification, characterization, Mycobacterium tuberculosis 4263. Oospora lactis, Aves feeding, captivity 7008. Oospora lactis, Aves feeding, captivity 7008. Oospora lactis, purification, characterization 6852; production, carbon sources, Staphylococcus 4316. production, carbon sources, Pseudomonas fluorescens 1806. Pseudomonas fluorescens, fluorescens, fluorescens 1806. Pseudomonas fluorescens, heat inactivation 5146. purification, characterization, Preductionnonas fluorescens, f
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    acetobutylicum 7832.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         acetobutylicum 7832.
cellulase, dipestion (anaerobic), food processing wastes, methanogenesis, Beta vulgaris 6691.
cellulase, endo-1,3-9-D-xylanase, production, activity 3496.
cellulase, enmentation, crop residues, ethanol production, Malus 3623.
cellulase, penes, cloring 3498
cellulase, penicellulase, hydrolysis, lignocelluloses 7833.
cellulase, + hydrogen peroxide, ethanol production, lignocelluloses fermentation 5303.
                       Intellimenton, antifungal activity, Uromyces fabae, rust, Vicia faba 3901. disease control, powdery mildew, Triticum aestivum, correlation disease resistance plant breeding. Erysiphe graminis 5502. fungicides, disease control, leaf rust, stripe rust, triticum aestivum 2904. Rhizoctonia sensitivity 8104. Hizoctonia sensitivity 8104. Sensitivity 8105. Se
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            cellulase, hydrolysis, hardwoods, glucose production 5160.
cellulase, hydrolysis, lignocelluloses, cell walls, steam disruption 5278.
cellulase, lignocelluloses hydrolysis, solvents pretreatment 8536.
cellulase, lignocelluloses hydrolysis, sugars, assays, 2,4-dinitrosalicyclic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Cellulase, multienzyme complexes, purification, characterization 1751.

ellulase production 3492.

cellulase production, ATP levels 4334.

cellulase production, immobilized cells 3466.

cellulase production, immobilized cells 6021.

cellulase production, immobilized cells 6021.

cellulase production, immobilized cells 6021.

cellulase yield, mutants selection, nystatin resistance 60.

cellulolytic cerzymes, cellulolytic cerzymes, cellulolytic cerzymes, cellulolytic cerzymes, cellulolytic cellulolytic cerzymes with cellulolytic cellulolytic cerzymes production 5158.

cellulolytic rezymes production 5158.

cellulolytic rezymes production 5158.

cellulolytic acymes production 5158.

cellulolytic allase, exc-celloliolytic dase genes, introns excision, methodology 8568.

comparison, Spicellum roseum, cellulase, production, activity, 3497.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8680
                          Vicia faba, rust, effects on ultrastructure, Uromyces vicia-fabae, Puccinia recondita 8131.
  Triadimenoi,
sensitivity, Rhynchosporium secalis 5530.
Trialeurodes vaporariorum,
biological control, Aschersonia aleyrodis 3568.
s-Triazine,
     biodegradation, Pseudomonas 4426.
1,3,5-Triazine,
  biodegradation, wastewater treatment, Pseudomonas 2698 Triazole,
                          synthesis, antibacterial activity, ampicillin chemical modification 1398.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   8568. comparison, Spicellum reseum, cellulase, production, activity 3497. continuous culture, cellulase, production, characterization 101 digestion (anaerobio), organi-acide production, characterization 101 digestion (anaerobio), organi-acide production, biomass 3417. encode lobiophydrolase, amino acid sequence 3510. encode lobiophydrolase, cellulase, amino acid sequence, bromology 3509. exc-cellobiophydrolase is consigned a mino acid sequence, bromology 3509. exc-cellobiophydrolase is cenzymes, purification, affinity, chromatography 6867. filters, recovery, cell culture, biotechnology 7635, 50-palactosidase production, continuous culture 8541. hydrolase, multienzyme complexes, isoelectric focusing 6572. lignocellulases hydrolysis, cellulase activity, ethanol production 5274. mixed culture, Aspergillus wentii, media (culture) association production, cellulase, hemicellulase, he
                          derivatives, antifungal activity, structure-activity relationships, reviews 6311.
derivatives, antifungal activity, structure-activity relationships, reviews 6311. 
Tributyfitin, fungi cell culture filtrates 3648. 
Tributyfitin chloride, preservatives, prevention, biodegradation, cellulose, soil microorganisms 7302. 
Tricarboxyfic acid cycle, intermediates utilization, Rhizobium meliloti, association, symbiosis 8234. 
Trichloreethanol, chemical modification, tryptophan residues, gene 32 protein, role, binding DNA, phage T4 4256. 
Trichoderma, antagonism, Pythium, soil, biological control 8115. 
biological control, decay fungi, Fagus sylvatica 5589. 
cellulase activity, cellulose conversion, glucose production 14.
```

285

Subject Index Trichoderma reesel, (continued)
endo-1,3-B-0-glucanase 1750.
myceila, cellulase, B-D-glucosidase induction, activity 4298.
perioliilum, Thelavia terrestris, sporotrichum cellulophilum, cellulase,
physicochemical properies, comparison 6008.
radiation polymerization, immobilized cells, cellulase hydrolysis, saw
strains development, cellulase, gene expression, production 7738.
o.a-trehalase, hydrolysis, substrate specificity 4326. sawdust 6949. q.a.-trehalase, hydrolysis, substrate specificity 4326. Trichoderma viride, biodegradation, Sporotrichum pulverulentum food processing wastes, proteins production 671. biodegrad control, decay fungi, Fagus sylvetica, field trials 5587. biological control, decay fungi, Fagus sylvetica, field trials 5587. biological control, soil inoculum 8918. bioracators, cellulose hydrolysis, comparison 4441. cellulase, acids, biodegradation, floatum aestivum, straw 6166. cellulase, acids, biodegradation, floatum aestivum, straw 6166. Tricyclazole Tridemorpi cemustes, adsorpunt, cenurose 1802.

cellulase biosynthesis, nitrogen sources 3508.

cellulase biosynthesis, nitrogen sources effects on 883.

cellulase, cellulose hydrolysis, bioreactors 4355.

cellulase, cellulose hydrolysis, pretreatment, zinc chlonde, hydrochloric acid 3656 cellulase, cellulose hydrotysis, reactors 7736.
cellulase, hydrotysis, cellulose, peracetic acid, sodium hydroxide, phosphoric cellulase, cellulase pracovasi, ceautor 37-30.

cellulase, hydrolysis, cellulase, peracetic acid, sodium hydroxide, phosphoric acid, effects on 188.

cellulase purification methodology, affinity chromatography 882.

cellulase samples, containing activity, carboxymethyloellulase, endo-1,38-Po-xylanase 8533.

cellulase hydrolysis, cellulase 6040.

cellulose hydrolysis, microwave radiation pretreatment, bagasse, straw, Oryza sativa 5128. Trifiuralin, Trifolium, detection, oxidase extracellular enzymes 1799. endo-1,3-β-D-glucanase, endo-1,6-β-D-glucanase, chitinase, biosynthesis 920 extracts, biological control, Phytophthora parasitica var.piperina rot, Piper betie 5518. bette 5518. 

\*-tungicides, integrated control, inhibition Chondrostereum purpureum spore germination, silver-leaf disease, pruning wounds, Prunus domestica 5588. 

\*-tungicides, use, disease control, Pythium ultimum damping-off, Fusarium solani f.sp.pisi root not. Pisum sativum 338. 

growth, heterotrophy, acid rain effects on, soil 2940. 

growth, spore germination, antifungal activity, metham, soil fumigation 8924. 

hysine 2-monoxygenase, immobilized enzymes, electrodes, use, assays, L-lysine, fermenters 38. termenters 38. nontarget organisms, toxicity, synergism, microorganisms 459. single-ceil protein production, fermentation, industrial wastes, oilseed crops, Oliae eurapea 5114, spore germination, carbendazim, treatment, effects on, Saccharum officinale 8127 Tricholomogais platyphylla, soil, mycelia growth, development 401. Trichomoriae vaginalia, liquid culture media, Candida comparison, isolation 8482. Trichopolytica. iiquid culture media, Candida comparison, isolation 8482.
Trichophyton,
agar, Trichophyton soudanense identification methodology 1672.
Trichophyton ajellol,
soil microorganisms. Spain 6336.
Trichophyton mentagrophytes,
antifungal activity, smino acids 9106.
antifungal activity, N-{benzyldfitholcarbamic acid aryl esters 2224.
antifungal activity, sequiterpenes 8317.
antifungal activity, 2-methylquinolines 5740.
conidia, arthrospores, spore germination, germ tubes formation, antifungal
activity 5738.
drus sepsifyiny testing methodology 5736. activity 5736.
drug sensitivity testing methodology 5736.
imidazoles sensitivity, mycelia, arthrospores, conidia 1340,
plasma membranes, vacuoles formation, antifungal activity, miconazole 9109.
susceptibility methodology, ketoconazole, miconazole, ciotrimazole, griseofulvin 1336 Trichophyton rubrum, drug sensitivity testing methodology 5736. Trichophyton soudanense, identification methodology, Trichophyton agar 1672. identification methodology, Trichophyton agar 1672.

Trichoplusla nl,
biological control, mortality, dose-response effects, mathematical models,
bioassays, nuclear polyhedrosis virus 6901.

biological control, Nomuraea rileyi, pathogens, virulence 6900.
epidemis cell culture, nuclear polyhedrosis virus replication, inoculum
production, biological control 3249.

Trichoralenine A1,
rystallization, X-ray diffraction, Trichoderma harzianum 1727.
N.M.R., Trichoderma harzianum 1414.

Trichosporon, amylolytic enzymes production 8546.

amyloytic enzymes production 8546.
Trichosporon cutaneum,
biodegradation, glucosinol, golfrin, rapeseed meals 1042.
bioreactors, growth conditions 802
salicyfale 1-monocygenase, hydroxyquinol 1.2-dioxygenase, characterization 5864.
single-coll protein, lactose fermentation, utrafiltration, milk 1719.
single-coll protein, loxicity testing, mutagenicity testing, rais 1915.
trytophan aminopeptidase, purification, characterization 2613.
brodegradation, lignin, crop residues, Zea mays 6950.
Trichosporon pullulans, ligids biosynthesis, growth rate, continuous culture 6925.
Trichothecenes,

Trichothecenes, biosynthesis, Fusarium sambucinum, potatoes 5372. books 5939

Chemical composition, Fusarium sporotrichiella 1076. detection, Fusarium ear rot, Zea mays 7083. food contamination, com, Tetrahymena pyriformis use screening 7055. food contamination, wheat 7098.

gas chromatography, food contamination, grain, Hordeum vulgare 7107. Trichothecin,

corn food contamination, screening, use, Tetrahymena pyriformis 7055 richotheclum roseum, roseotoxin B, secondary structure, hydrogen bonding role 8756.

Trichothecium roseum, (continued) roseotoxin B, X-ray diffraction, crystal structure, N.M.R. 8755.

Trichoverritone,

Myrothecium roridum metabolites new records 1929
Trickling filters,

use, microorganisms, air pollution odor control 3200 wastewater treatment 4901.

vastewater treatment, industrial effluents, food industry 4111.

antibacterial activity 4011.

inhibition Pyricularia oryzae appressoria, penetration, cell walls, Oryza sativa 2092

disease control, powdery mildew, fertilizer applications, yield, Hordeum vulgare

Trifluoperazine, inhibition, chiamydia trachomatis, inflectivity, McCoy cells 450. role, measles virus budding inhibition 471. 5-{3,3,3-Trifluoro-1-propenyi}-2-deoxyuridine,

ntiviral activity, herpes simplex virus

amovina activity, herpes simplex vitus 1747. Trifluoracefic acid, hydrolysis, Trificum aestivum straw hemicelluloses, xylose fermentation, ethanol production, Pachysolen tannophilus 8657. 6-p-{Trifluoromethane sulfonyl}-amildopenicallianic acid sulfone, derivatives, inactivation §-lactamase, Bacillus cereus 1780.

dealkylation, soil microorganisms 1041.
effects on soil microorganisms population levels, crop fields, Triticum aestivum 5682

infection, bean yellow mosaic virus, clover yellow vein virus, white clover mosaic virus, host range, field trials 1113. nodulation, fhizobium lega, field inclusive avarthfolii, inhibition, metals oxides 7294. phosphorus effects on hyphae cloremation, Giornus fasciculatum 8934. symbiosis, vesicular-arbucular myoorhizas, competition 3935.

symbiosis, vesicular-an Trifolium alexandrinum,

Trifolium alexandrinum, pathogenicity, Scierotinia trifoliorum, stem rot, inoculum density 2783.
Trifolium ambiguum, infection, bean yellow mosaic virus, clover yellow vein virus, white clover mosaic virus, field trials, host range 1113.

Trifolium hybridum,

germplasm, infection, bean yellow mosaic virus, clover yellow vein virus 1112. infection, bean yellow mosaic virus, clover yellow vein virus, white clover mosaic virus, field trials, host range 1113.

Trifollum Incarnatum, pathogenicity, stem rot, Scierotinia trifoliorum, inoculum density, Trifolium subterraneum, pathogenicity, stem rot, Scierotinia trifoliorum, inoculum density un density subterraneum, pathogenicity, stem rot, Scierotinia trifoliorum, inoculum density subterfaireum, pamogenicity, siem fot, Scerolinia unicitorim, nicculum cersily 2763. **Trifolium pratense**, Fusarium roseum virulence 1116.
hay, contamination, Rhizoctonia leguminicola, swainsonine, mycotoxicosis, horses

hay, co

67:20 infection, bean yellow mosaic virus, clover yellow vein virus, white clover mosaic virus, field trials, host range 1113. plant breeding, selection, disease resistance, root rot, Fusarium 6292, powdery mildev, Erysiphaies, et defeniology, spectrophotometry 7917. seeds, infection, Sclerolina trioliorum sclerotia 7132.

setus, illustration, Statement and Statement S

white clover mosaic virus intection, intruger measuri, history frifolium repens, disease reservoirs, host alternation, rust, Phakopsora pachyrhizi 7940, infection, bean yellow mosaic virus, clover yellow vein virus, white clover mosaic virus, field trials, host range 1113, infection, viruses, Rickettsia, Mycoplasma, pathogenesis, Canada 2778, nitrogen fixation, fertilizers, nitrogen sources, nodulation 2160, nodulation, aluminum toxicity, soils (acid), Rhizobium leguminosarum var.trifolii 7070

7279.
nodulation, inoculation, soil chemistry, soil pH effects on, Rhizobium leguminosarum var.trifolii 7278.
nodulation, inoculation, strains competition, Rhizobium leguminosarum var.trifolii 3962.

nodulation, nitrogen fixation, Glomus mosseae+Rhizobium inoculation, fertilizers effects on 5628.

errects on 5628.
Intrinent uptake, inoculum density, vesicular-arbuscular mycorrhizas, Glomus caledonius, Glomus epigaeus 8214.
phytopathogenic fungi, pasture 8781.
protoplasts, detection, Rhizobium leguminosarum var.trifolii, fluorescence,

principasis, defection, miscondin regulariosario readicidade, phages use 8858. Prizobium odules survival association calcium oxide pelleting 2950. Rhizobium odules survival association calcium oxide pelleting 2950. Rhizobium trifolii infectivity, nodulation, temperature effects on 1282.

Rhizobium trifolii infectivity, nodulation, temperature effects on 1282. 
rhizosphere microgranisms, community composition, mixed culture, Lolium perenne, 
Plantago lanceolata 372. 
roots, Glomus fasciculatium hyphae ultrastructure 381, 
roots, ultrastructure, hyphae, Glomus fasciculatium 8226. 
soil microorganisms, inculation, Rhizobium leguminosarum var.trifolii 5678. 
symbiosis, nitrogen fixation, Rhizobium leguminosarum var.trifolii 5678. 
symbiosis, nitrogen fixation, Rhizobium trifolii populations 409. 
Trifolium subterraneum, 
growth, association, phosphorus, Glomus fasciculatium, enhancement 2943. 
infectivity, vesicular-arbuscular mycorrhizas, seasonal variations, infectivity 
phosphate 2144. 
nitrogen fixation, nitrogen-15, acetylene reduction, hydrogen gas production, 
environmental chambers 2986. 
nitrogen fixation, nitrogen-15, Rhizobium, environmental chambers 2985. 
nodules, Rhizobium trifolii populations, soil acidity effects on 405. 
plant diseases, Heterodera daverti, interaction, Fusarium avenaceum, Fusarium 
oxysporum 5411. 
Rhizobium trifolii nodulation, soil outino, Glomus fasciculatum, Glomus 
mossaee, effects on 5615. 
Rhizobium trifolii nodulation, nitrogen fixation, glyphosate soils (ωam) 
applications effects on 2955.

applications effects on 2995.
roots density, colonization, inoculum potential, Glomus fasciculatum 8217

roots growth rate, infection, models, vesicular-arbuscular mycorrhizas 3933, roots, Heterodera daverti penetration, Fusarium avenaceum filtrates effects on roots, F

Trifolium subterraneum, (continued)

soil pasteurization, disea ase control, damping-off, Fusarium avenaceum. Pythium

Trifollum vesiculosum, pathogenicity, Sclerotinia trifoliorum, inoculum density 2783. seeds, toxicity, Rhizobium leguminosarum var.trifolii survival 8994.

seeds, toxicity, Inicodem regularinosarum var. molii sufvival 6994.

Triglycerides, sylvan, conversion, yeasts, characterization 4402.

Trigonella forenum-graecum, plant extracts, antifungal activity, aflatoxins biosynthesis, Aspergillus flavus 7897

Trigonella polycerata,
Uromycas sriatus rust, India 2036.
Trilatiomethanes,
removal, carbon (activated) adsorption, biodegradation, water treatment 7501,
removal, ozone+carbon (activated)+biodegradation, water treatment 7497.
water treatment, chlorination, reduction, association, viruses, bacteria, levels 3206

3206
Trimethiprim,
antibiotic sensitivity testing, Streptococcus faecalis 4808.
Trimethoprim,
antibiotic resistance, Salmonella typhi, mediation, plasmids 7322.
antibiotic resistance, Salmonella typhi, mediation, plasmids 7322.
antibiotic sensitivity testing, Branhamella catarrhaiis 9163.
derivatives, antibiacterial activity, Shigella flexneri, Shigella sonnei 1333.
drug resistance, clinical isolates, Escherichia coli 7347.
drug resistance, clinical isolates, Haemophilus influenzae, Haemophilus parainfluenzae 3035.
drug resistance, plasmids, clinical isolates urinary tract, Escherichia coli 2204.

2204, drug resistance, Pseudomonas aeruginosa, characterization 9079, drug resistance, role, tetrahydrofolate dehydrogenase, Escherichia coli 6429, drug sensitivity testing, Aeromonas samonicida 8303, leukocytes (polymorphonuclear) penetration, antibacterial activity, man 492. Nocardia asteroides drug sensitivity testing 3090, use, media (selective), isolation, Campylobacter fetus subsp.jejuni 1589. (6R)-2,6-trimethyl-1,4-cyclohexadione, 2,6-6-trimethyl-2-cyclohexane-1,4-dione conversion, Thermomonospora curvata 6072. 2,6-trimethyl-2-cyclohexane-1,4-dione, conversion, (6R)-2,2,6-trimethyl-1,4-cyclohexadione, Thermomonospora curvata 6072.

6072

to 1/2.
Trimethylamine-N-oxide reductase,
Alteromonas, induction, localization 936.
N-Trimethylatlyl imines,
use, G-lactam antibiotics synthesis 9208.
Trimorfamid,
Verticilitium albo-atum control.

Verticillium albo-atrum resistance 3009

Trinidad,

nitrogen-fixing bacteria, soil 6359. soil, urea adsorption 7288. 2,4,6-Trinitrotoluene,

biodegradation, bacteria 1005. biodegradation, composting, soil decontamination 7511. biodegradation, Pseudomonas denitrificans, Escherichia coli 4432.

conversion, echinomycin production, protoplasts, Streptomyces echinatus 3133.

Triostin A, biosynthesis, N.M.R., bacteria 4066. +echinomycin, peptide antibiotics complexes, Streptomyces iverini 4058. Tripeptidyi potyoxins, transport, plasma membranes, antifungal activity, Candida albicans 458. Triphenyiphoaphite, inhibition Uromyces phaseoli haustoria, rust, Phaseolus vulgaris 2899. Tribibition Uromyces phaseoli haustoria, rust, Phaseolus vulgaris 2899.

Tris, +chlorhexidine digluconate, gram-negative bacteria, association genitourinary tract infection, man 6456.
+EDTA+lysozyme, effects on drug sensitivity testing, antibacterial activity, Pseudomonas aeruginosa, animal isolates, horses 2253. glycerophosphate, use, media (culture), bacteria 7579.
Trisacchardices, synthesis, antigens fragments, Shigella flexneri 6050.
Trisodium phosphonoformate, antiviral activity 2230.

antiviral activity 229.

Triticale,
fungicides, seed treatments, effects on, black point, Alternaria alternata,
Triticale 8930.
plant breeding, disease resistance, loose smut var.tritici, Ustilago nuda 1183.

"Triticene,
antifungal activity 6305.

"Triticene,
activity 6305.

antifungal activity 6305.

cultivars, wheat streak mosaic virus infection, etiology, incidence, USA,

cutivars, wheat streak mosaic virus intercuin, eulougy, included, co-Colorado 7980. disease resistance, Erysiphe graminis f.sp.tritici, Puccinia recondita f.sp.tritici, Septoria nodorum 1197. f.ungicides, field trials, effects on, yield 327. germplasm analysis, Septoria tritici leaf bloto pathogenesis 257. hybrids, vegetative cells, growth stage, stripe rust disease resistance, interitance 2886. cinis strifformis stripe rust disease resistance, inheritance 2886.

plant breeding, Puccinia striiformis stripe rust disease resistance, inheritance

Puccinia rust, LANDSAT, monitoring, epidemics, Pakistan 6246.

root rot disease resistance, inheritance 2885. × Secale cereale, leaves, stomata size distribution, Puccinia recondita rust incidence 7955.
Triticum aestivum,

antifungal activity, alka-2,4-dienal, α-triticene, β-triticene 6305.
Aphididae, honeydew, enhancement, Septoria nodorum, Cochliobolus sativus, infection 3006.

infection 3806. blotch, Septoria nodorum, incidence, USA, Michigan 5419. brome mosaic virus infection effects on disease resistance, rust 263. bunt, Neovossia indica, pathogenesis 8801. bunt, Tilleta loetidia, races, virulence, Pakistan 7965. by-products, ochratoxin A contamination, detection, high-performance liquid chromatography 3667. chromosomes location, genes, disease resistance, stripe rust, Puccinia

Triticum aestivum, (continued)

striiformis 2834

striiforms 2834.

Striiforms 2834.

Colonization, vesicular-arbuscular mycorrhizas, soil temperature effects on, USA, Kansas, Glornus epigaeum, Glornus mosseae 7259.

crater disease, soil furnigation+solar radiation effects on 8120.

crater disease, soil furnigation+solar radiation effects on 8120.

crop fields, roop production (no-tillage), soil microorganisms, biomass, nitrogen cycle, nutrient dynamics 5669.

crop fields, glialow land, crop production (no-tillage), soil microorganisms, nutrient cycles 5568.

crop fields, trifluralin effects on population levels, soil microorganisms 5682.

crop fields, trifluralin effects on population levels, soil microorganisms 5682.

crop fields, trifluralin effects on soil microorganisms 2929.

Cytopathology, histopathology, disease resistance, Pseudocercosporella herpotrichoides 7976.

disease resistance, brown rust, Puccinia triticina 5486.

disease resistance, brown rust, Puccinia triticina 5486.

disease resistance, giume biotch, Septoria nodorum, plant breeding 2833.

usease resistance, prown rust, Puccinia triticina 5486 disease resistance, glume blotch. Septoria nodorum, plant breeding 2833. disease resistance, Puccinia recondita, characterization 4578. disease resistance, Puccinia recondita f.sp.tritici, factors affecting 3957. disease resistance, stem rust, Puccinia graminis f.sp.tritici, recombination, transfer, Agropyron elongatum 314. disease resistance, stem rust, Puccinia graminis f.sp.tritici, epidemiology, Austria 6244.

Austra 0:244.

disease transmission, brome mosaic virus, urediniospores, Puccinia graminis
f.sp. tritici, Puccinia recondita f.sp. tritici, stem rust, leaf rust 2789.
dose-response effects, incoulation, barley yellow dwarf virus 8783.
eye spot, factors affecting spore germination, Pseudocercosporella
herpotrichoides 7146.

herpotrichoides 7146. fungal fiora, post-harvest decay 7196. fungi infection, yield, fungicides disease control, USA, Idaho 7951. fungi T-2 toxin, HT-2 toxin, liquid chromatography assays 3739. Gaeurmannomyces graminis use induction disease resistance, take-all 2849. Gaeurmannomyces graminis var. tritici root rot, pathogenesis 3809. Gaeurmannomyces graminis var. tritici take-all, virulence 1126. genes, disease resistance, transfer, Aegliops ventricosa, eye spot, disease

genotypes, disease resistance, transier, Aegirops vertificosa, eye spot, disease resistance 8078.
genotypes, disease resistance, pathogenesis, stem rust, Puccinia graminis f.sp.tritici 8885.

genotypes, leaf rust, powdery mildew, effects on yield, disease resistance, fungi 6098.

6098. growth, allelopathy, aromatic compounds phytotoxicity, Pseudomonas, Syneophalastrum racemosus degradation effects on 373. growth, yeld, commercial microorganisms soil amendment effects on 8960. host-pathogen interactions, roots, agricultural practices, phytopathogenic fungi 3807.

infected cells, barley stripe mosaic virus, detection, localization,

infected cells, bartey stripe mosaic virus, detection, localization, immunochemistry methodology 4522; infection, Coprinus psychromorbidus, electron microscopy, pathology 7933. infection, Eusanium, Septoria nodorum, yield 7948. inheritance, disease resistance, brown rust, Puccinia recondita 2836. inheritance puccinia graminis stem rust disease resistance 6293. inheritance, Sr gene, disease resistance, Puccinia graminis 1:sp. tritici 315. isolation, Puccinia graminis races, incidence, geographical distribution, USA,

Isolation, Puccinia girantinis laces, incluence, geographical distribution, Mexico 1125.

leaf blotci., Septoria tritici, disease control, use, antitranspirants 291.

leaf rust disease resistance, genetic control 2054.

leaf rust, Puccinia recondita f.sp.tritici, disease resistance, Lr 13 gene,

leaf rust, Puccinia recondita f.sp.tritici, disease resistance, Lr 13 gene, genetic control 8069 leaf rust, stripe rust, disease control, seed treatments, fungicides 2904 leafspot, Bipolaris sorokiniana, disease resistance 5492. leaves culture, cultuvars effects on Puccinia graminis f.sp.tritici 1991. lignin biosymthesis, hyperesnitive response, stem rust, Puccinia graminis f.sp.tritici 2055. lignocelluloses, biodegradation, Cyathus, Crucibulum laeve, Nidula niveo-tomentosa 6948. lignocelluloses, biodegradation, white rot fungi 6943. Mycosphaerella grammicola infection, factors affecting pathogenesis 7946. Neovossia indica bunt, characterization 3808. Neovossia indica infected, teliospores, isolation, morphology 7984. nutrient uptake, anions, growth, stimulation, vesicular-arbuscular mycorrhiz

nutrient uptake, anions, growth, stimulation, vesicular-arbuscular mycorrhizas

5623.
patch, Rhizoctonia solani, surveys, soils (calcareous) 255.
pathology, bunt, Neovossia indica, association, loose smut, Ustilago nuda vartifici. 8799.

var tritici 8799.
pathology, leaf rust. Puccinia recondita 7961.
plant breeding, disease resistance genes, host-pathogen interactions, virulence genes, races, Puccinia graminis, Puccinia recondità 2858.
plant breeding, disease resistance, loose smut Ustiliago nuda, var.tritici 1183.
plant breeding, disease resistance, powdery mildew, Erysiphe graminis
1.sp.tritici 8067.

Lsp. tritic 8067.
plant breeding, disease resistance, research programs, Brazil 2878,
plant breeding, disease resistance, rust, research programs 2876.
plant disease resistance, Zambia 2877.
plant diseases sistance Zambia 2877.
plant diseases, yield reduction, mathematical models, remote sensing, world 261.
powdery mildew, disease resistance plant breeding correlation triadimetion diseases.
powdery mildew, disease resistance plant breeding correlation triadimetion disease.
powdery mildew, disease resistance plant breeding correlation triadimetion disease.
protoplasts tectins, bost-pathogen interactions, rust, Puccinia graminis
Lsp. tritici 8092.
Pseudocerosporella herputrichoudes ave snot. anhandratim resistance association.

Resuldocercosporella herpotrichoides eye spot, carbendazim resistance association treatment 8129.

Puccinia graminis f.sp.tritici stem rust virulence genes, plant breeding, books

4239
Puccinia helianthi induction disease resistance, leaf rust, stem rust 293.
Puccinia striiformis stripe rust, USA, Pacific Northwest, models 252.
resistance association Eriophyes tulipae, role, disease control, streak 8075.
respiration, relationship, Pseudocerosporella herpotrichoides eye spot 2795.
response, Azospiriflum brasilense nitrogen-lixing bacteria, application 3967.
Rhizoctonia cerealis eye spot, effects on yield 1133.
rhizosphere microorganisms, carbon utilization, release 2930.
rhizosphere microorganisms, phosphate-dissolving bacteria, phosphate dissolution 7255.
rhizosphere soil composition, manure effects on 2996.

rizosphere soil composition, manure effects on 2996.
root rot, disease control, soil amendment, sawdust, oil cake 8088.
roots, respiration (cyanide insensitive), protons pumps, Irpex pachyodon,

Triticum aestivum, (continued)

Friticum eestivum, (continued)
methyl-acethydroxamoilacetate effects on 8745.
seed germination, seedlings, seed-borne fungi, metabolites, effects on 8798.
seed-borne diseases, seeds infection, Septoria nodorum 2793.
seedlings, disease resistance plant breeding screening projects, wheat mosaic virus 4574.
seedlings, glume blotch, Septoria nodorum, factors affecting 7149, seedlings, linkage analysis, Puccinia rust 258.
seedlings, septoria nodorum glume blotch, disease resistance components 302.
seedis, seed-borne diseases, transmission (seed, brorne mosaic virus, detection, immunodifusion, enzyme-linked immunosorbert assay, immunoelectroblotting 874.
Septoria infection, reviews 1985.
Septoria infection, reviews 1985.
Septoria infection, reviews 1986.
Septoria nodorum, sportialation, temperature, growth stage, seasons effects on 5432.
Septoria nodorum virulence 7148.

5432.
Septoria nodorum virulence 7148.
soil, manure, effects on, nitrogen fixation 6384.
spike, association, Corynebacterium michiganense subsp.tritici, incidence, Anguina tritici 8803.

stem rust, association infectivity analysis, Puccinia graminis f.sp.tritici

stem rust, association infectivity analysis, Puccinia graminis f.sp.tritici uredospores 250.
stem rust, Puccinia graminis, f.sp.tritici, urediniospores, disease transmission, brome mosaic virus 2790.
straw, Basidiomycetes pretreatment, lignin biodegradation 1009.
straw, biodegradation, acids, Trichoderma viride, cellulase 6166.
straw, composts, thermophilic fungi 6168.
straw, composts, thermophilic fungi 6168.
straw, eyespot, Pseudocercosporella herpotrichoides, spores dispersal, rainfall, wind 1997.
straw, fermentation, Chaetomium cellulolyticum, single-cell protein production, reactors 1711.

straw, fermentation, Phanerochaete chrysosporium Candida utilis, mixed culture,

straw, termentation, Phanerochaete chrysosporium Candida utilis, mixed culture, single-cell protein production 1710.

straw, hemicelluloses, trifluoroacetic acid hydrolysis, xylose fermentation, ethanol production, Pachysolen tannophilus 8657.

straw, lignocelluloses fermentation, white rot, optimization 1887.

stripe, Cephalosporium gramineum, planting dates effects on, yield, USA, Kansas 7374.

7974.
susceptibility, Pseudomonas plant diseases, roots 6242.
take-all, ameba population dynamics, suppression 1173.
take-all, Gaeumannomyces graminis var.tritici 7953.
take-all, Gaeumannomyces graminis var.tritici, biological control, Pseudomonas fluorescens seed reatments 336.
take-all, Gaeumannomyces graminis var.tritici, biological control, Gaeumannomyces graminis var.tritici, biologica

Take-all, Manganese deficiency effects on disease resistance, Gaeumannomyces graminis 8099.

X Triticum dicoccoides, plant breeding, gene transfer, Puccinia striiformis,

Triticum dicoccoides, plant breeding, gene transfer, Puccinia striiformis, stripe rust disease resistance 3860.
 urea foliar applications effects on influosphere microorganisms, respiration 2946.
 Urocystis agropyri infection, cytology, morphogenesis 4517.
 varieties, infection susceptibility, Pseudocercosporella herpotrichoides 7975.
 yellow rust, Puccinia striiformis, pathogenesis 4515.
 Tritcum dicoccoides,
 disease resistance, powdery mildew, Erysiphe graminis f.sp.tritici 5415.
 X Tritcum aestivum, plant breeding, gene transfer, Puccinia striiformis, stripe rust disease resistance 3860.
 X Tritcum durum, plant breeding, gene transfer, Puccinia striiformis, stripe rust disease resistance 3860.
 Tritcum dicoccoides, plant breeding, gene transfer, Puccinia striiformis, stripe rust disease resistance 3860.
 Woynovicia graminis infection, traly 796.
 yeld, fertitizers, inoculation, nitrogen fixation, Azotobacter chroococcum, Azospirillum brasilense 7277.
 Tritcum dugger,

Tritlcum vulgare,
hizosphere, Saprolegniaceae, Pythiaceae 8220.
Tritlrachium aikaline proteinase,
inhibition, tobacco mosaic virus infectivity, Phaseolus vulgaris, Nicotiana tabacum 2806 Triton X-100,

Triton X-100, resistance, penicillin lysis, Streptococcus faecium 8352. 
Tropical environment, feeds production, lignocelluloses, fermentation, silage, Gramineae 5358. 
forests, vesicular-arbuscular mycorrhizas, mycelia, nutrient uptake 5576, 
nitrogen fixation, actinorrhizas, nitrogen fixation, Casuarimaceae, reviews 2914. 
plant breading, disease resistance, long-term effects, crop protection, 
agricultural ecosystems 1177. 
plant viruses, plant diseases 1965. 
rain forests, litter decomposition, soil microorganisms 7224. 
rain forests, mycorrhizas, nutrient cycles 7225. 
rain forests, organic matter decomposition, fungi 2911. 
Hizzobium soil isolates, soil temperature tolerance, dessication, nodulation, 
Vigna unguiculata 8241.

vigna unguiculata 6241, Savaniahs, ecosystem dynamics, soil microorganisms 2941. Samilarid environments, urease, soil microorganisms, soil temperature, soil moisture effects on 8239 soil, media (culture), Rhizobium, interaction, Metarhizium 5634. soil, Rhizobium strains competition, Leucaena leucocephala nodulation 7267.

Trypain,
initibitors, Proteus vulgaris, purification, characterization 6810.
like, enzymes, characterization, immobilization. Streptomyces 7689.
like enzymes, streptomyces giseus, light sensitization, use, electronic equipment

Streptomyces erythraeus, histidine residues, role active sites 1757. Tryptophan, activity, chorismate mutase, prephenate dehydratase, prephenate dehydrogenase, activity, Candida maltosa 8580, levels, fermentation, temperature effects on, commeal, lactic acid bacteria

residues+role, gene 32 protein binding polynucleotides, phage T4 4255. residues, active sites serine residues distance, fluorescence, bacteria 899

purification, characterization, Trichosporon cutaneum 2613.
Tryptophan synthase,
biosynthesis, Escherichia coli 3504.
Escherichia coli, immobilized cells, L-tryptophan production 6.
Tryptophan 2,3-dioxygenase,
purification, characterization, Bacillus brevis 6042.
Tsuga canadensis,
solt rof, Ganoderma tsugae, lignin, degradation 3917.
Tsuga heterophylla,
forests, epidemiology, basidiospores deposition, airspora, Heterobasidion annosum
8944.
Whytophizas, development pitrogen, fartilizer applications, effects on 5675. mycorrhizas, development, nitrogen, fertilizer applications, effects on 5675.

mycorrhizas, development, independent of the property of the p

analogs, antiviral activity 4772. high-pressure liquid chromatography, Streptomyces tubercidicus 4378.

Tuberculin, purification, characterization 1706

purification, characterization 1700.

Tuberculosis, enzyme-linked immunosorbent assay, man 4200.

immunodiagnosis, radioimmunoassay, monoclonal antibodies 3351.

infection, laboratories, man 2414.

man, sputum containers contamination, Mycobacterium tuberculosis 2417.

spiropiperidyliriamycin treatment, animal models, new records, antibacterial activity 2282.

Tubers,
Beta vulgaris, sugars fermentation, ethanol production, cost-benefit analysis

dbbb.
disease resistance, Fusarium roseum, dry rot, Solanum tuberosum 8826.
enzyme-linked immunosorbent assay defection, potato virus Y, potato virus A,
Solanum tuberosum 4538.
Erwinia carotovora soft rot, Solanum tuberosum, Chile 2015.

Erwinia carotovora sont rot, Solanum tuberosum, Chile 2015.
extracts, saponins purification, fungi fermentation, Ficana ranunculoides 5222.
glycoalikaloids levels, effects on Rhizoctonia solani, disease resistance, Solanum tuberosum 8840.
Helianthus tuberosus, fermentation, ethanol production, Saccharomyces cerevisiae,

rementatus tuperosus, termentation, ethanol production, Saccharomyces cell Kluyveromyces fragilis 5297. infection, Erwinia carotovora, Verticillium albo-atrum, Verticillium dahlae, potato virus X, beet western yellows virus, potato leaf roll virus, Solanum tuberosum 8031.

soft rot, Envirial carotovora subsp.atroseptica, soil moisture, soil temperature, Solanum tuberosum, 2818. Solanum tuberosum, blackleg, Erwinia carotovora, disease control, heat treatments

Solanum tuberosum, callose growth, disease resistance, haustoria, Phytophthora

Solation to declaration, cance growth, olsease resistance, naustoria, Phyliphrition infestans 2008.

Solanum tuberosum, crown gall tumors, indole-3-acetic acid treatment 8874. suberin, esterase depolymenzation, Fusarium solani f.sp.pisi infection, Solanum tuberosum 8852. vield, Ipomoea batatas, Elsinoe batatas scab 8007.

Tubes,
plastics, microorganisms films, drinking water 4948.

analogs, antibacterial activity, characterization 3120.

Tulasnella araneosa,
nuclear division, mitosis, fluorescence stains, microscopy 9330.

Tulipa,

disease resistance breeding, Fusarium oxysporum f.sp.tulipae bulb rot 299. Tumbling, effects on microorganisms, spoilage, ham 7857.

Tumor-promoting agents, indolactam V, biosynthesis, actinomycetes 8653.

Tumorigenesis, Agrobacterium tumefaciens Ti plasmid, Solanum nigrum 2819, plants, pathogens, bacteria, hormones, mediation 8856.

crown

rown gall, asparaginopine, glutaminopine, isolation, Agrobacterium tumefaciens 2810.

2810.

rown gall, indole-3-acetic acid treatment, Solanum tuberosum tubers 8874.

crown gall, plants, induction, role, Agrobacterium tumefaciens cell surface carbohydrates 8768.

crown gall, plants, silver nitrate staining 4534.

induction, plasmid pTiAg63, plasmid pTiA6, Agrobacterium tumefaciens, comparison, best trans 8868.

host range 8866 Tundra,

ecosystem analysis, fungi, soil moisture, seasonal variations, vertical distribution 2129.

distribution 2.21 distribution, ectomycorrhizas, alpine environments, ecological distribution, ectomycorrhizas 2101.

Salix rotunidfolial, ectomycorrhizas, temperature effects on 2103. plant diseases, Cryza sativa, pathogenesis, yield 4514.

12-Tungsto zincle acid, antivita experimental virus, 8139.

antiviral activity, tobacco mosaic virus 9129.
Tungstoantimoniate,
derivatives, rabies virus antiviral activity 4765.

inhibition, cell walls, biosynthesis, effects on, Streptomyces griseus,

Tunicamycin, (continued)

association, streptovirudins, corynetoxins, biological activity, structure 523. Tupidanthus calyptratus,

leafspot, Alternaria panax 5450. Turbidity,

urbiotry, biological control efficacy, Bacillus thuringiensis var.israelensis, Aedes aegypti, Culex pipiens 8642. methodology, hyaluronidase activity determination, bacteria media (culture) 3265.

memocology, repairements, respiration, cattle 7474, binding, serum proteins, cattle 7474, binding, serum proteins, cattle 7474, binding, serum proteins, uncouplers, Streptomyces hygroscopicus 4872, tur locus, production, role plasmids, streptomyces hygroscopicus 3147.

Turkey,
Drechslera graminea infection, Hordeum vulgare, epidemiology 1987.
fungicides fumigation, use, soil sterilization, disease control, powdery mildew 337.

Turkeys, carcasses, bacteria contamination, cleaning systems, meat industry 1053, females, reproduction, feeding regimes, Fusarium mycotoxins 3720. hemorrhagic enteritis virus antibodies detection, gel diffusion, enzyme-linked immunosorbent assay 4153. Mycoplasma animal isolates, mixed infection detection, growth inhibition test 2449.

Turnip mosaic virus,

disease resistance, plant breeding, germplasm, Brassica campestris 8065. infection, effects on brittle root disease, Spiroplasma citri, Armoracia rusticana 8020

mosaic disease, Raphanus sativus, pathology 8860.

Turnip rosette virus,
RNA replication, Brassica rapa protoplasts 2045.

Turnip yellow mosaic virus, infection, effects on, starch, accumulation, Brassica pekinensis 8863.

Turnips,
+ straw, feeds, digestibility, inhibition cellulolytic bacteria, rumen, cattle 1920.

Tussilago farfara,

Puccinia poarum infection, pathogenesis, carbon dioxide antifungal activity 8130. Tween 20, neutralization, lauricidin, antibacterial activity 7356.

Tween 80, + diethylether, + tri-N-butyl phosphate, influenza A virus disruption 4076. neutralization, lauricidin, antibacterial activity 7356.

Tylactone,
biosynthesis, amino acids, carbon sources, Streptomyces fradiae 3162.

intermediates, tylosin biosynthesis pathway, Streptomyces fradiae 6574. Tylophlus felleus, fruit bodies, extracts, antifungal activity 9201.

fruit bodies, extracts, shurtunger activity of the property of

Typhold fever, diagnosis, Widal test 2479.

isolation, Salmonella typhi, antibiotic resistance, biochemical characteristics 3024.

Salmonella, agglutination, bioassays, diagnosis, methodology, man 667. Salmonella typini, isolation, swabs, sewage effluents, man 6717. Typhula Incarnata, monokaryons, morphology, infectivity, phytotoxicity, plant diseases 2770. recombination, dikaryons, monokaryons, infectivity, hordeum vulgare 2788.

Typhus, accines, purification 3179.

Typing,

remainagenesis 0.590.
comparison, sodium dodecyl sulfate+polyacrytamide gels electrophoresis, Neisseria Uncinula,
meningitidis+clinical isolates identification 2456.
hetpes simplex virus, clinical isolates, lododeoxyuridine sensitivity, thymidine
kinase antigenic characteristics 594.
host-pathogen interactions, trees, isolation, morphology 8191.

Uncinula adunca,
host-pathogen interactions, Salix alba, Salix wallichiana, isolation, morphology

Tyrosine,

Tyrosine decarboxylase, assays, kinetics, Streptococcus faecalis 93.

assays, kinetics, Streptococcus faecalis 93.

Tyrosine phenol-lyase,
Citrobacter freundii, production, tyrosine, 3,4-dihydroxyphenylalanine 5.

purification, characterization, Citrobacter freundii 4289.

Tyrosyl-tRNA synthetase,
Bacillus stearothermophilus, amino acid sequence homology, methionyl-tRNA

synthetase, Escherichia coli 2621.

X-ray crystallography, structure-activity relationships, site-directed mutagenesia tyrosyl-tRNA synthetase genes, Bacillus stearothermophilus 8573.

Tyrothricin,

ntibacterial activity, antibiotic resistance 7477.

U.V. Radiation,

IV. Hadiation, Bacillus thuringiensis resistant mutant, use biological control, Insecta 6746. decontamination, dialysis, disease control, pertionitis, man 6718. dissinfection, coliforms enumeration methodology, waste water 9263. disinfection, wastewater treatment 2337. disinfection, wastewater treatment 2337. disinfection, water, Escherichia coli, Candida parapsilosis, phage 12, kinetics models 561.

fluorescence, Bacteroides identification 1617. fluorescence, identification, Corynebacterium diphtheriae 5909. glucose isomerase production, Streptomyces fradiae 8598. induction Streptomyces spheroides mutants, biosynthesis, extracellular

U.V. Radiation, (continued)
proteinase, fibrinolysis role 8583.
mutagenesis, aroma compounds production, dairy starters, Leuconostoc cremoris
1906.

mutagenesis, cellulase production, nutrient requirements, Penicillium funiculosum 8532.

8532.
mutagenesis, citric acid production, Aspergillus niger 1731.
mutagenesis, Thermomonospora curvata, catabolitie repression resistant mutant,
cellulase biosynthesis 1746.
mutants, cellulose biodegradation, Aspergillus furnigatus 2707.
photoreduction, choline oxidase, Alcaigenes 891
photosenstivity, Haemophilus influenzae, anaerobic conditions, nitrogen 4749.
protection, synergism, pathogenicity, Bacillus thuringiensis var.entomocidus,
Spodoptora littoralis, biological control 131.

sterilization 1364

steriuzation 1364.

U.V. Spectroscopy,
calmodulin multiple forms, Agaricus campestris, Coprinus lagopus 8513,
cytochrome d oxidation, sodium nitrate effects on, Escherichia coli 2565,
nickel tetrapyrrole cofactor F430 multiple forms, comparison, Methanobacterium
thermoautotrophicum 4291
tryptophan residues role, gene 32 protein binding polynucleotides, phage T4 4255,
victorin, Bipolaris victoriae 7910.

bacteria, separation techniques, high-pressure liquid chromatography 1652 production, fermentation, ammonium stimulation, Agrobacterium 7681.

Ulmus,
Dutch elm disease, Ceratocystis ulmi, disease control 5606.
Dutch elm disease, Ceratocystis ulmi hypovirulence, geographical isolates 8192.
Phomopsis oblonga opportunistic infection 7232.
plant breeding, disease resistance, Ceratocystis ulmi Dutch elm disease 8186.
plant breeding, disease resistance, Dutch elm disease 2870.
Ulmus americans,
disease resistance compounds, antifungal activity, Dutch elm disease,

usease testistates compounds, ariuningal activity, button eim disease, Ceratocystis ulmi 366. Dutch eim disease, biological control Streptomyces albovinaceus, Streptomyces griseus, incoulation 2990. mansonones isolation, antifungal activity, role disease resistance, Ceratocystis ulmi, Dutch eim disease 3926.

Ulmus glabra,
phytoalexins, defensive mechanisms, infection, Ceratocystis ulmi, Chrondrostereum purpureum, Coriolus versicolor 5500. Ulmus wallichiana,

host-pathogen interactions, Uncinula clandestina, isolation, morphology 8191.

Ultracentrifugation, density gradients, cesium chloride, foot-and-mouth disease virus 6736.

+electron microscopy, rotavirus detection, methodology companson 1558.
rubella virus specificity immunoglobulin M, serum, man 591. Ultrafiltration,

Itrafilization, biotechnology products purification 4145. factors affecting, Envinia carotovora, Pseudomonas, enzymes, separation, cells, extracts 6019. formate dehydrogenase purification, ion exchange 7733.

isolation, phages, poliovirus, rotavirus, reovirus, water reclamation 2396. membranes, immobilized cells, Caldariella acidophila, enzymes thermal stability

Total indicates a single-cell protein, nutritive value, pigs 1916.
milk, fermentation, single-cell protein, Trichosporon cutaneum 1719.
proteins purification 3431.
Ultranigh temperature,
sterilization, food, reviews 7032.
sterilization, heat inactivation a-amylase, Bacillus stearothermophilus,
Xanthomonas campestris, dairy products 6974.

Ultrasound,
+heat treatment, synergism, sterilization, Streptococcus faecium 4034

separation techniques, sediments, enumeration, methodology, bacteria 9305. use β-lactam antibiotics synthesis 7406.

Ulva, biomass, methanogenic bacteria, digestion (anaerobic), methanogenesis production 2183.

biomass production, nitrogen sources effects on digestion (anaerobic), methanogenesis 6396.

8191

yrosine, conversion, phenylalanine, immobilized cells, Pseudomonas 875.
Flavobacterium, biosynthesis 1701.
Flavobacterium, biosynthesis 1701.
Hydroxylatton, monophenol monooxygenase, role superoxide, Basidiomycetes 2594.
Unclinula clandeatina, host-parthogen interractions, Ulmus wallichiana, isolation, morphology 8191.
Unclinula clandeatina, host-parthogen interractions, Ulmus wallichiana, isolation, morphology 8191.
Unclinula clandeatina, host-parthogen interractions, Ulmus wallichiana, isolation, morphology 8191.
Unclinula neator, host-parthogen interractions, Cettis australis, isolation, morphology 8191.
Unclinula neator, powdery mildew, Vitis, association, yleld, growth, wine quality, USA, New York 9833.

Bosts. Section 1. Moreous Proceedings of the section of the sectio

racii, analogs, 9-[[2-hydroxy-1-(hydroxymethyl)ethoxy]-methyl]guanine, antiviral activity, herpesvirus 4013. derivatives, synthesis, antiviral activity, herpes simplex virus 2 6482. simplex virus 2 6482.

uranium, adsorption, desorption, biomass, Rhizopus arrhizus 9028. adsorption, Rhizopus arrhizus biomass 3978. bioaccumulation, polysaccharides adsorption, Zoogloea ramigera 3973. resistance, Thiobacillus ferrooxidans 1311. Urate oxidase, subunits (Zilviniae may noticiles nitrose finalics. Distriction of the control of t

Urate oxidase, Siyorine max nodules nitrogen fixation, Rhizobium infection 4668. Urban environmentas, drinking water, viruses analysis, Canada 4955. Urdbean leaf crinkle virus, disease resistance, plant breeding, Vigna radiata 2071.

Urea, adsorption, soil, Trinidad 7288.

biodegradation, nitrification, soils (acid), heterotrophic bacteria 4671.

Urine, (continued)
aggiunation tests 1584.
pH, osmotic potential effects on gentamicin antibacterial activity, Escherichia coli, Pseudomonas aeruginosa 3108.
preservatives, media (transport), bacteriuria diagnosis 1608. screening, bacteriuria automated methods, clinical microbiology 690. screening, bacteriuria automated methods, clinical microbiology 690. screening, bacteriuria diagnosis, man 1642. screening methodology, bacteria analysis 1651. screening methodology, bacteria analysis 1651. screening methodology, bacteria analysis 1651. screening methodology, bacteria analysis 1670. screening projects, bacteriuria, Autobac test, staining 6784. specimens, antimicrobial agents antibacterial activity 3048. specimens, man. Enterobacteriaceae, identification, drug sensitivity testing, methodology 1585.
Staphylococcus saprophyticus identification methodology 3006. Urccystia agropyri, cytology, morphogenesis, infection, Triticum aestivum 4517. Urine, (continued) Urea, (continued) effects on, lactic acid bacteria acid production, silage fermentation, Zea mays 7973
fertilization effects on soil microorganisms, decomposition, wood, forests 5578. fertilizer applications, urease hydrolysis, ammonium production, soil microorganisms 6383. fertilizers (slow release), granules, sulfur coatings, nitrification 8231. fertilizers, sulfur coatings, savannahs soil, pH, nitrogen levels 8256. foliar applications, effects on rhizosphere microorganisms respiration, Triticum aestivum 2946. aestivum 2340. hydrolysis, uraesa activity, soil 7250. hydrolysis, uraesa activity, soil 7250. hydrolysis, effects on, nitrification, wastewater treatment 6678. nutrient requirements, industrial effluents distilleries, Bacillus 5818. treatment, silage, straw, digestibility, sheep 1067. treatment, silage, straw, digestibility, sheep 10b7.

Ureaplasms, antibacterial activity, herbicolin A 9214.
isolation, semen, cattle, antibiotic sensitivity testing 7473.

Ureaplasms urealyticum, antibodies detection, enzyme-linked immunosorbent assay optimization 4178.
enumeration, methodology 659.
isolation, identification, media (isolation) comparison 658.
minocycline resistance, clinical isolates 3020.
minokamyon antibacterial activity 8368.
serotyping, methodology 733.
urogenital tract, media (isolation) 1865.

Urease, Uromyces alysicarpl, rust, Alysicarpus monilifer, India 2036. Uromyces appendiculatus, monokaryons, Gilaryons, virulence comparison, Phaseolus vulgaris 2780. rust, disease resistance, Phaseolus vulgaris, inheritance 2850. urogenital tract, media (isolation) 1865.

Urease, activity, Mycobacterium identification, Bactec test 692. activity, soil. Cook Is., Tongan Is. 8225. activity, soil microorganisms 1264. activity, soil microorganisms 1264. activity, soil, urea hydrolysis 7250. immobilization methodology 4313. immobilized enzymes, methodology 4313. immobilized enzymes, methodology 4368. inhibitors, ammonia volatilization, fertilizer applications 1285. organic compounds synthesis 4385. production, relationship artibiotic resistance, clinical isolates, gram-negative bacilii 4709. deciration. See absorbed in ammonianence 8599. Uromyces digitatus, rust, Acacia, Hawaii 7236. Uromyces fabae, rust, Vicia faba, triadimefon, antifungal activity 3901. rust, Vicia taba, thadmieron, andungar activity 3500.

Vromyces Kose,
rust, Acacia, Hawaii 7236.

Vromyces phaseoli,
haustoria inhibition, friphenylphosphite, rust, Phaseolus vulgaris 2899.
infection, appressoria formation, plants, factors affecting 1964.
rust, Phaseolus vulgaris, association, chloroplasts ultrastructure, chlorophylls
levels 2775.
rust, Phaseolus vulgaris, disease resistance, cultivars comparison, sporulation bacili 4709.

purification, characterization, Brevibacterium ammoniagenes 8589.
soil microorganisms, soil temperature, soil moisture effects on, semiarid
environments, tropical environment 8239.
Staphylococcus saprophyticus strains, biosynthesis 2571.
ursa, hydrolysis, ammonium production, fertilizer applications, soil
microorganisms 6383.
Uredinaleze,
haustoria, chemicals induction 6221. rust. Phaseolus vulgaris, disease resistance, cumvars companson, sporulation incidence 8082.
rust. Phaseolus vulgaris, plant breeding, disease resistance 3857.
rust, races, virulence, disease resistance, Phaseolus vulgaris 2846.
Uromyces phaseoli var. Vignac, rust, china assays, histopathology, Phaeolus vulgaris 1967.
Uromyces phaseoli var. Vignac, rust, china assays, histopathology, Phaeolus vulgaris 1967.
rust, Trigonella polycerata, India 2036.
Uromyces trifoli,
rust, Trigonella polycerata, India 2036.
Uromyces vicla-fabae,
rust, Vicia faba, triadimeton effects on ultrastructure 8131.
Uromyces vicla-fabae,
disease resistance, Vicia faba 1198.
infection, Vicia faba, Cryptococcus synergism 7135.
rust, disease resistance, plant breeding, Vicia faba 2882.
rust, susceptibility, Pisum satturum, varieties 8774.
urediniospores, pathogenesis, leaf rust, Vicia faba, nutrient requirements 5408.
USA, incidence 8082. haustoria, chemicals induction 6221. **Urediniospores**,
cell culture, Pucchia coronata, infection, coleoptile, Avena sativa 2791.
disease transmission, brome mosaic virus, Puccinia graminis f.sp.tritici,
Puccinia recondita f.sp.tritici, leaf rust, stem rust, Triticum aestivum 2789.
Graminese, rust, Puccinia graminis, Puccinia recondita, epidemiology 5417.
pathogenesis, leaf rust, Vicia faba, nutrient requirements 5408.
Puccinia graminis f.sp.tritici, brome mosaic virus, disease transmission, stem
rust, Triticum aestivum 2790.
Puccinia hortel, aerosols, deposition, methodology, Hordeum vulgare 8786.
spore germination, Melampsoridium betulinum, temperature effects on, rust, Betula
8550. sporulation, Cronartium flaccidum, environmental factors effects on, infection, Vincetoxicum officinale 3927.

Uredo cajani, Urediniospores, pamogenesis, lear rusir, vicar taba, ruuren requirements 3-10.
SA,
cooling towers, Legionella pneumophila geographical distribution, seasonal
variations 4130.
Cucurbitaceae, pilant diseases, zucchini yellow mosaic virus 6269.
epidemiology, Saccharum rust, Puccinia melanocephala 1124.
Fusanium oxysporum f.sp.vasinfectum, isolation, Gossypium hirsutum, races
geographical distribution 1153.
grain, incidence, Aspergillus gilaucus, storage conditions 8056.
incidence, geographical distribution, Puccinia graminis races, isolation, Avena
sativa, Triticum aestivum 1125.
lakes, microbal poliution, celorioms, pollution monitoring, indicator species,
spatial distribution, seasonal variations 8419.
methanogenesis, biotechnology 6395.
Neissena gonorrhoeae isolation, identification, quality control 3075.
Plinus ponderosa, disease resistance, needle blight 6941.
Pseudotsuga menziesii, endormycorrhizas symbiosis, role, drought tolerance 2913.
PSA, Alaska. USA disease resistance plant breeding, Cajanus cajan 8899.

Uredospores,
Puccinia graminis f.sp.tritici, infectivity analysis, association Triticum aestivum stem rust 250.

Ureldos, biosynthesis pathways, Rhizobium, nodules, Leguminosae 2971. levels, indicators, nitrogen fixation, acetylene reduction, Glycine max 2164. levels, relationship nitrogen fixation, acetylene reduction, Glycine max 2162. derivatives, antimicrobial activity, Candida albicans, Penicillium digitatum oenvatives, antimicrobial activity, Candida albicans, Penicillium digitatum, gram-positive bacteria 1436.

Urethritis, differential diagnosis, non-specific urethritis, use, Neisseria gonorrhoeae, DNA hybridization analysis, man 679.

Neisseria gonorrhoeae, diagnosis, Limulus hysate test, methodology, man 671. Pseudotsuga menziesii, endomycorrhizas symbiosis, role, drought tolerance 29 USA, Alaska, nutrient cycles, forest floor, taiga 5545. USA, Articopas, Gossypium hirsutum, Malva parviflora, Phaseolus vulgaris, cotton leaf crumple disease, virus-like particles etiology, epidemics 8814. Lycopersicon esculentum, Cyamopsis tetragonoloba, Caesalpinia gilliesii, incidence, incidence, powdery mildew. Leveillut atunca 8035. Macrophomina phaseolina latent infection, sclerotia soil levels, Euphorbia lathyris, weeds 8044. soil microorganisms geographical distribution, deserts, forests 7246. USA, California, Actinicia chinensis, Pseudomonas canker, pathogenesis 275. coastal waters, Vibrio cholerae enumeration, seasonal variations 6715. analogs, synthesis, antiviral activity, herpes simplex virus 1 4031. Urlnary tract, eria, antibacterial activity, norfloxacin, factors affecting drug resistance bacteria, antibocrerial activity, nontroducin, talcure anothing drug resistant 6466. bacteria, clinical isolates, susceptibility, desferrioxamine 4729. clinical isolates, antibiotic sensitivity testing 9158. clinical isolates, identification, antibiotic sensitivity testing, methodology 3315 tes, norfloxacin antibacterial activity, antibacterial agents comparison 6453 b493. microflora isolates, bacteria, antibiotic sensitivity testing 6501. **Urinary tract infection**, bacteria, clinical isolates, antibiotic sensitivity testing, amoxicillin± clavulanic acid 6525. Actinidia chinensis, Pseudomonas canker, pathogenesis 275. 
coastal waters, Vibiro cholerae enumeration, seasonal variations 6715. 
coriander feathery red-vein virus, vectors, Hyadaphis foeniculi 3822. 
epidemiology, watermelon mosaic virus 2, squash mosaic virus, Bernisia tabaci, 
disease transmission, Cucumis melo, Cucurbita pepo 3821. 
greenhouses, Medicago sativa seedlings fungi diseases 1115. 
Lycopersiono esculentum, ring spot, etiology, tomato mosaic virus strains 8842. 
semiarid environments, deserts, ecological evaluation, vesicular-arbuscular 
microphizae 8222. bacteria, drugs treatment, man 2212. bacteria isolates, antibiotic sensitivity testing, dogs 4787. Urine, bacteriuria, detection, automated methods 726. mycorrhizas 8222 USA, Colorado, bacieriuria, detectiori, automated memods 726.
Bacterioria, screening methodology 750.
Bacterioides fragilis antigens detection, enzyme-linked immunosorbent assay, experimental infection, rats 6772.
Bacterioides fragilis antigens detection, enzyme-linked immunosorbent assay, man 7604. Streptococcus pneumoniae, clinical isolates, antibiotic resistance, penicillin, chloramphenicol 436. Triticum cultivars, wheat streak mosaic virus infection, etiology, incidence 7980. 7604.

cattle, soil, effects on denitrification 2948.
ceftazidime, high-pressure liquid chromatography 500.
culture, bacteruria diagnosis, bacteria identification 7594.
culture, liquids companison freeze diying preservatives, effects on microorganisms growth 3268.
culture, tubes, samples volume, preservatives, bactericidal activity 708.
dipsilide test, detection, bacteriuria 7574.
gram-negative bacteria isolates, media (culture) methodology, man 1588.
man, Haemophilus influenzae b polyribose phosphate antigens detection. USA, Florida,
Pinus elliottii var.elliottii, fusiform rust, phenology, Cronartium quercuum Finus eliuctii var.eliuctii, rusiform rust, phenology, Cronartium quercuum I.sp. fusiforme inoculum 3921. wastewater treatment, parks 5845, wastewater treatment, sludges, isolation, Salmonella, indicator species, characterization 4927. ucchini yellow mosaic virus host range 3815. USA, Georgia,

Glycine max, fungicides foliar applications, prophylaxis, disease control, plant

USA, Georgia, (continued)
diseases 8118.
Pinus elitottii var.elliottii, fusiform rust, phenology, Cronartium quercuum

Triticum aestivum, fungi infection, yield, fungicides disease control 7951.

Juglans nigra plantations, anthracnose epidemics incidenie 7995.

Jugians nigra pianiauona, entitable de Jugians nigra pian

Cephalosporium gramineum, stripe, planting dates effects on yield, Triticum aestivum 7974.

USA, Kentucky, Festuca arundinacea, Epichloe typhina infection, incidence, disease transmission

USA, Louislana,
Glycine max, buds proliferation, plant viruses infection, Scaphytopius cautus disease transmission 4510.

USA, Michigan, Illiam starringiensis subsp.kurstaki, biological control, Choristoneura fumiferana 6078.
Choristoneura fumiferana 6078.
In siciliam security of the s

Ground max, isolation, Phytophthora megasperma f.sp.glycinea races, new taxa 7936.

USA, Nebreaka, dinking water, bacteria analysis 3209.

Fomes fraxinophilus, infection, Fraxinus pennsylvanica, incidence 5592. Phytophthora megasperma f.sp.glycinea races isolation Glycine max, distribution 246.

USA, New Hampshire, streams, Simuliidae, biological control, Bacillus thuringiensis subsp.israelensis

7789

7789.
USA, New Mexico,
soil, land reclamation, soil microorganisms, population levels 6392.
USA, New York,
Phytophthora megasperma f.sp.glycinea, virulence, root rot, stem rot, Glycine max

Vitis, powdery mildew, Uncinula neator, association, yield, growth, wine quality 8833.

USA, North Carolina,

Castanea dentata isolates, Cryphonectria parasitica virulence conversion, blight biological control 6326. Castanea dentata isolates, Cryphonectria parasitica virulence conversion, blight

biological control 6327.

Cochliobolus carbonum, races, virulence, genetic variance, recombination, black

rot, Zea mays 7962.
crop fields, Sclerotium rotfsii stem rot, Arachis hypogaea, spatial distribution

7134

Lycopersicon esculentum, Verticillium dahliae wilt, epidemiology 5456. Rhizoctonia, pathogencity, Agrostis palustris, Cynodon dactylon, Festuca arundinacea 3802. USA, North Dakota.

 A, North Dakota,
 Belianthus annuus, stalk rot, Erwinia carotovora, susceptibility association age 2820.
 Jants, Phellinus punctatus incidence 3838. plants, Pt USA, Ohlo,

phytopathogenic fungi, canker, Rubus 8846. Verticillium dahliae propagules, distribution, soil 7918.

USA, Oregon,
Cronartium ribicola strains, virulence, rust, disease resistance, Pinus monticola

8949 os49.
Phytophthora megasperma, root rot, Brassica oleracea var.capitata, Brassica oleracea var.botrytis 5468.
USA, Pactific Morthwest,
Triticum aestivum, Puccinia striiformis striipe rust, models 252.

USA, Pennsylvania,

USA, Pennsylvania,
Legionella pneumophila, contamination, water supply, role, epidemiology,
nosocomial infection, Legionnaire's disease, man 7528.
tomato ringspot virus, disease reservoirs, Taraxicum officinale, vectors,
Xiphinema, stem pitting, Prunus persica 8811.
USA, South Carolina,
biological control, efficacy, Bacillus thuringiensis subsp.israelensis,
Simulidae 4391,
Quercus laevis, witt, Ceratocystis fagacearum, pathogenesis 2115.
tobacco post-harvest decay, Meloidogyne arenaria incidence 3852.
Vigna unguiculata, incidence, plant viruses infection 8777.
USA, Tennessee,
Castanea dentata isolates, Cryphonectria parastitica virulence conversion, blight
biological control 6326.

biological control 6326.

Castanea dentata isolates, Cryphonectria parasitica virulence conversion, blight

Castanea dentata isolates, cryphonectria parastica virulence curversorii, un biological control 6327; pest control, efficacy, Bacillus thuringiensis, Simulium vittatum 6086. USA, Texas. Caratocystis fagacearum, wilt, aerial photography surveys, Quercus 8189. Helianthus annuus, Diaporthe helianthi infection, stem canker, leafspot 3839. Solarum tuberosum, rol, Phytophthora parastica, Phytophthora cryptogea, pathogenesis 1155. USA, Utah,
vesicular-arbuscular mycorrhizas symbiosis weeds, association, habitat

disturbance 396. USA, Vermont,

composting, sewage treatment, recreation sites 4922. USA, Virginia,

Castanea dentata isolates, Cryphonectria parasitica virulence conversion, blight biological control 6326.
Castanea dentata isolates, Cryphonectria parasitica virulence conversion, blight

biological control 6327.

Pinus strobus, Pinus sylvestris, Verticicladiella procera, incidence, soil, infection pathogenesis 3919.

USA, Washington

Chondrilla juncea weed control, Puccinia chondrillina biological control, life cycle 6074.

Eutypa armeniacae isolation Malus domestica, in vitro, pathogenicity, cultural

characteristics 2005.

Prunus avium, mosaic disease, Prunus necrotic ringspot virus, enzyme-linked immunosorbent assay detection, use, disease control 3812. USA, West Virginia,
Castanea dentata isolates, Cryphonectria parasitica virulence conversion, blight

biological control 6327.

Quercus, Ceratocystis fagacearum wilt, epidemiology 1236.

USA, Wisconsin,

Bacillus thuringiensis, biological control, Abies balsamea 139. Phaseolus vulgaris root rot, Pythium etiology 7939.

USA, Wyoming, rivers, oil and gas industry effluents effects on microorganisms, biodegradation 9038.

Usnic acid, biodegradation, Mucor globosus 4430.

biodegratement (USSR), antibiotics production, packaging, standards 493. bakery products, yeasts microflora 191. Conferales, fungi plant diseases effects on growth 5603. soil microorganisms, bacteria, distribution 3954. viruses food contamination 202.

cytochrome c amino acid composition 869
Ustilago avena,

spores, imazalil, nuarimol, effects on ultrastructure 2889 Ustilago hordel,

smut, pathogenicity, genetic analysis, disease resistance, plant breeding, models, Hordeum vulgare 2857. Ustilago maydis,
smut, free radicals levels, ear, anthers, flowers, Zea mays 5433.
Ustilago nuda,
loose smut, Hodeum vulgare disease resistance, Ethiopia 5503.
Ustilago nuda var.tritich,
loose smut, Hodeum vulgare, Loose smut, Loose s

loose smut, association, bunt, Neovossia indica, pathology, Triticum aestivum

loose smut, disease resistance, plant breeding, Triticum aestivum, 1183.

Ustriago violacea,
host-pathogen interactions, models, islands biogeography, Viscaria vulgaris 3840.

Vaccination

accination,
Brucella abortus, tests comparison, complement fixation, hemolysis, cattle 1582.
flow cholera, antibody response, enzyme-linked immunosorbent assay, indirect hemagglutination, chickens 3343.
hepatitis A virus attenuation, fibrobiasts cell culture, immunity, monkeys 4074.

adjuvants, major histocompatibility complex purification, immunogenicity 6589 African swine fever virus, antigens solubilization, detergents, immunity, pigs 1452.

antibody response, Neisseria meningitidis lipopolysaccharides conjugation Clostridium tetani toxoids, rabbits 1453.

artibody response, synthetic peptides, palmitic acid carriers 6588. artibody response, synthetic peptides, palmitic acid carriers 6588. artigenic determinants, hepatitis 8 surface antigen, hepatitis 8 trus 6612. artigenic determinants, hepatitis 8 surface antigenic peptides, adjuvants, N-acetyl-muramyl-L-alanyl-D-isoglutamine, Clostridium tetani toxoids, mice 6656. artigens, use, peptide synthesis 4888. era production, Vibrio cholerae toxins, peptide synthesis, toxoids conjugate

bacteria polysaccharides capsules, immunogenicity, reviews, man 3184. bacterins, Renibacterium salmoninarum kidney diseases, Salmo gairdneri 6662. Bacteroides nodosus pili, sheep, purification, characterization, immunogenicity

3185. BCG, characterization 8387

BCG, characterization 8387. biomass production, cell culture, continuous culture, Bordetella pertussis 9223. Clostridium telani toxins, production, fermenters 2321. contamination, avian infectous bronchitis virus, screening projects 6658. cytomegalovirus (human) erivelopes antigens, immunity (cell-mediated), immunity (humoral), guinea-pigs 4072. development association, immune response, antigens vaccines, man 3178. development, bacteria, gastrointestinal tract infection, pathogenesis, man,

reviews 2325. development, N-acetyl-muramyi-L-alanyi-D-isoglutamine 8388. development, Vibria cholerae toxins, genes, nucleotide sequence, deletion mutant

analysis 2327. Escherichia coli, Vibrio cholerae, production, characterization 541

analysis 2327.

Escherichia coli, Vibrio cholerae, production, characterization 541.

foot-and-mouth disease virus, preduction, plaques characterization 3183.

genetic engineering, cyaccinia virus, methodology 8385.

hepatitis A virus, attenuation, tissue culture 6634.

hepatitis A virus, attenuation, tissue culture 6634.

hepatitis B surface antigen, production, hepatoma tumor cell lines 6607.

hepatitis B surface antigen, protein composition, preparation relationship 4070.

hepatitis B surface antigen, protein composition, preparation relationship 4070.

hepatitis B surface antigen, synthetic peptides, antibodies specificity 6617.

hepatitis B virus, clenic regineering 2319.

hepatitis B virus, genetic engineering, antigens, characterization 6640.

hepatitis B virus, hepatitis B surface antigen, hepatitis B entities, safety, preparation, efficacy 6652.

hepatitis B virus, hepatitis B surface antigen purification 6593.

hepatitis B virus, hepatitis B surface antigen purification 6593.

hepatitis B virus, hepatitis B surface antigen purification 6593.

hepatitis B virus, hepatitis B surface antigen purification 6593.

hepatitis B virus, hepatitis B surface antigen purification 6593.

hepatitis B virus, hepatitis B surface antigen purification 6593.

hepatitis B virus, hepatitis B surface antigen purification 6593.

hepatitis B virus, hepatitis B surface solition, immunogenicity, Pan troglodytes 6642.

hepatitis B virus, preparation, safety, quality control 66651.

hepatitis B virus, preparation, safety, quality control 6651.
hepatitis B virus, production, conferences 6799.
hepatitis B virus, production, hepatitis B surface antigen expression, yeasts

hepatitis B virus, production, hepatitis B surface antigen, gene expression, cloning vectors, yeasts 6631.

Vaccines, (continued)
Salmonella typhimunium, salmonellosis prophylaxis, cattle 5811.
Sendai virus, proteins purification, high-performance liquid chromatography 6649.
serological tests, standardization, chickens 5036.
Shigella flexneri, drug resistance, virulence, immunogenicity 4080.
Streptococcus pneumoniae, capsules polysaccharides, antibody response, enzyme-linked immunosorbent assay, children 682.
Streptococcus pneumoniae, preparation 542.
Streptococcus pneumoniae, preparation 542.
Streptococcus pneumoniae, preparation 543.
Streptococcus pneumoniae, preparation full programman propersion, production influenza virus 6601. Vaccines, (continued)
hepatitis B virus, purification, immunoaffinity chromatography 6603.
hepatitis B virus, synthetic peptides 6623.
hepatitis viruses, standardization, books, conferences 4245.
influenza A virus, recombinants, genetic analysis 5808.
influenza virus levels 2320.
influenza virus, rubella virus, liposomes, incorporation, membrane proteins, immunogenicity, rabbits 6650.
Leptospira, immunogenicity, pigs 4893.
live, avian laryngotrachetisi virus, infectivity, immunity, chickens 3180.
live, cold adaptations, recombinants, attenuation, imfluenza A virus 7482.
ivve, genetic engineering, herpes simplex virus 6622.
live, hepatitis A virus, attenuation fibroblasts cell culture, antibody response, animal models 6646.
live, recombinants, cold adaptations, attenuation, influenza A virus 7484. Sireptococcus pneumoniae, use, lymphocytes B function analysis, man, reviews 3356
synthatic antigens, immunogenicity, production, influenza virus 6601.
synthatic antigens, viruses, production methodology 6625.
synthatic antigens, viruses, production methodology 6625.
synthatic development methodology, bacteria 9222.
synthatic peptides, pili, antigenic determinants, antigen-antibody interactions, structure-activity relationships, Escherichia coli 6657.
typhus, purification 3179.
use, synthetic hepatitis B surface antigen+fatty acids conjugate, immunogenicity, animal models 4071.
viruses, DNA, genetic engineering, reviews 8386.
viruses, DNA, genetic engineering, reviews 8386.
viruses, genetic engineering, 4073.
yellow fever virus, assays 6590.
Vaccina virus, antiviral activity, anyl-furfurane derivatives 4764.
antiviral activity, cis-platinum diamminodichloride 9124.
antiviral activity, tertahydro-2(1H)-pyrimidinone derivatives, structure-activity relationships 8521.
genetic engineering, vaccines, methodology 8385.
inactivation, situries, pigs, factors affecting digestion (anaerobic) 6684.
infected L cells, prostaglandin A1 antiviral activity, gene expression inhibition 5749.
infection, interferon antiviral activity, HeLa cells, mice L cells 1350. ammar moders ov-46.
live, recombinants, cold adaptations, attenuation, influenza A virus 7484.
live rinderpest virus, production, tissue culture methodology 3181.
live, temperature effects on attenuation, rubella virus 7485.
models, immunoglobulin G antisera inhibition models, v-mos gene proteins, Moloney sarcoma virus 6648. mumps virus, antibody response, enzyme-linked immunosorbent assay comparison neutralization 2436. Neisseria gonorrhoeae, Neisseria meningitidis, pili, production, immunogenicity 538.

Neissena gonorrhoeae, pili, production 539.

Pasteurella haemolytica + Clostridium, sheep, efficacy, experimental infection, gnotobiotics (specific pathogen free) 7488.

poliovinus 3, production, virulence, antigenicity 6624.

polysaccharides proteins conjugate, preparation, immunogenicity, gram-negative bacteria 2323.

production, antigenic determinants, hybrids, gram-negative bacteria 6644.

production, antigenic, cloning, gene expression, neutralization, herpes simplex virus 6610.

production, antigens, penes glening, genetic antigenics, viruses, 5807. 5749.
infection, interferon antiviral activity, HeLa cells, mice L cells 1350. infection, interferon antiviral activity, cell culture, mice 2226. recombinants, live vaccines production 6596. transfection, recombinants, influenza virus hemagglutinins gene expression, induction antibody response, hamsters, rabbits 4887. vaccines production, genetic engineering, recombinants 6638. Vaccinium, mycorrhizas, Oidiodendron griseum, characterization 1262. Vaccinium ashel, stem canker, Bothyosphaeria corticis 5466. Vaccinium corymbosum, stem canker, Bothyosphaeria corticis 5466. Vaccinium macrocarpon, production, antigens, coning, gene expression, neutralization, nerpes simplex virus 6610.

production, antigens genes cloning, genetic engineering, viruses 5807.

production, attenuation, antigenicity, hemagglittinins, reovirus 6627.

production, ECC, colomia characteristics 4072.

production, ECC, colomia characteristics 4072.

production, ECC, colomia characteristics 4072.

production, choring, hemagglittinins, neuraminidase, influenza virus 6698.

production, choring, hemagglittinins, neuraminidase, influenza virus 6698.

production, imematies, chick embryos cells growth optimization, viruses 4077.

production, gene expression, glycoproteins, herpes simplex virus 6611.

production, genes cioning, antigens, rotavirus 6643.

production, genetic engineering, avirus infectious bronchits virus 6637.

production, genetic engineering, avirus infectious bronchits virus 6637.

production, genetic engineering, avirus infectious bronchits virus 6637.

production, genetic engineering, herpes implex virus 6616.

production, genetic engineering, fercombinants picomavirus 6635.

production, genetic engineering, recombinants, poxivrus 6635.

production, genetic engineering, recombinants, vaccinia virus 6638.

production, genetic engineering, recombinants, vaccinia virus 6638.

production, genetic engineering, recombinants, vaccinia virus 6638. Vaccinium macrocarpon, Botryosphaeria vaccinii latent infection, pathology, association, dew temperature 8041. Sud-1.
Vaccinium myrtiflus,
little leaf, mycoplasma-like organisms, phloem 6275.
Vaccinium vitls-idaea,
little leaf, mycoplasma-like organisms, phloem 6275. 6632 Vacuoles, formation, plasma membranes, antifungal activity, miconazole, Trichophyton production, glycoproteins, transmissible gastroenteritis virus 6661. production, Haemophilus influenzae antigens isolation, immunogenicity, cattle formation, plasma membranes, antifungal activity, miconazole, Trichophyti mentagrophytes 9199.

Vacuum packaging, films, oxygen permeability, organoleptic evaluation, mutton 5362. fishery products, chlortetracycline, +potassium sorbate, +tetrasodium ethylenediaminetetraacetate, preservation 7885. ham, food contamination, bacteria, yeasts, effects on food spoilage 3730. meat, lactic acid bacteria 4446. spoilage, luncheon meat 8715. spoilage, psychrotrophic bacteria, veal 5363. 9093. production, hemagglutinins, Bordetella perfussis 3176. production, hemagglutinins, expression, cloning vectors, immunogenicity, antigenicity, influenza virus 6636. production, hemagglutinins purification, immunogenicity, Bordetella pertussis production, hepatitis A virus 6645. production, hepatitis B surface antigen transfection animal cells, hepatitis B virus 5594. Vagina. production, immunogenicity, DNA recombination, synthetic peptides, hepatitis B virus 6615. egins, clinical isolates, Gardnerella vaginalis, identification methodology 2480. secretion, Brucella abortus antigens, detection, enzyme-linked immunosorbent assay, cattle 6763. vitus 6615.

production, immunogenicity, synthetic peptides, hepatitis B surface antigen 6609. production, immunoprophylaxis, genetic engineering, rotavirus 6595. production, industrial applications, bacteria, viruses 9218. production, influenza virus envelopes proteins, isolation, immunogenicity, mice Vaginitis, rdnerella vaginalis, diagnosis, cell culture 1591. Valine. 6620 genes, role, Escherichia coli mutagenicity testing 6775. L-Valine, production, pathogenicity, recombinants, influenza virus 6960. production, politovirus 1, capsid protein expression, cloning vectors, Escherichia coli 6605. overproduction, mutants, transformation, Brevibacterium lactofermentum 5116. overproduction, rutuanis, in a superproduction, rutuanis, in a superproduction, rutuanis, in a superproduction, antibacterial activity, Escherichia coli, polymyxin B, sensitization 7453. toxicity, comparison Bacillus thuringiensis toxins, larvae, Aedes aegypti 2661. Valea carattosperma, antifungal activity, propanosine 3149. coil oods, production, rabies virus strains, immunogenicity, Vulpes vulpes 6629, production, recombinants, rotavirus 6599, production, reviews, viruses 7480, production, synthetic peptides, foot-and-mouth disease virus, antigenicity, cattle 6659. Valsa mail, canker, disease control, antibiotics+copper sulfate, Malus 8139. cattle 6659.

production, synthetic preteins, immunogenicity, antigenic determinants, herpes simplex virus 6639.

production, use hepatitis B surface antigen receptors, albumin polymers, role organotropism, liver, man, Pan troglodytes 7481.

production, use herpes simplex virus 1, glycoproteins gene expression, antigenic determinants, cell lines, mammalian cells 6591. canker, disease control, antibiotics+copper sulfate, Malus 8139.

Vancomycin,
antibbacteria activity mechanisms, chemical properties, reviews 5804.
antibacterial activity, 2278.
antibbacterial activity, Bacteroides, use, media (selective) 3125.
antibbacterial activity, Staphylococcus \$405.
antibbacterial activity, Staphylococcus aureus 7422.
antibbacterial activity, Staphylococcus aureus 7422.
antibbacterial activity, Staphylococcus aureus, Staphylococcus epidermidis,
Streptococcus faecalis 4815.
antibacterial activity, Streptococcus faecalis, Streptococcus faecium 4811.
antibiotic sensitivity testing, Streptococcus preumoniae 6503.
antibiotic synergism, gentamicin, bactericidal activity, Streptococcus group G
7423. production, use influenza virus, hemagglutinins, stimulation natural killer cells cytotoxicity 6647. production, viruses, spenetic engineering, bacteria, viruses 5806, production, viruses, genetic engineering, bacteria 4075, production, viruses, reviews 9220. Pseudomonas aeruginosa, development, immunogenicity, mice 6663, pseudomonas aeruginosa, development, immunogenicity, mice 6663, pseudomonas aeruginosa, development immobilization, pigs 3182, purification, toxoids, toxins, Corynebacterium diphtheriae 4869, rabbies virus, development 4894, rabbies virus, membranes glycoproteins, lysosomes incorporation, antibody response, mice 6660. antibiotic synergism, rifamycin, antibacterial activity, Staphylococcus epidermicis 8393 artibiotic tolerance, Streptococcus 6434. comparison, penicilliin, prophylaxis, bacteria contamination, viruses isolation cell culture 1557. rables virus, membranes glycoproteins, lysosomes incorporation, antibody response, mice 6860.

rables virus, new records, clinical trials, man 9221.
reovirus, production, serolyppes, proteins, antigenic determinants 6613.
respiratory syncytial virus, production, genomes characterization 6630.
Rocky Mountain spotted fever, immunogenicity, efficacy 2326.
rotavirus (bovine), immunogenicity, animal models 3177.
Salmonella, production, antigen O, immunogenicity 3222.
Salmonella typhimunium, β-propiolactione inactivation, immunogenicity, mice 2324. cell culture 1557.

disc-affusion test, comparison, potassium hydroxide suspensions, identification, aerobic bacteria, rods 3262.
disease control, crown gall, Malus pumila 343.
high-performance liquid chromatography 3152.
high-pressure liquid chromatography, serum 8366.
Mycobacterium smegmatis auxotrophs isolation methodology 3348.
N.M.R., biosynthesis, characterization 7463.
rifampicin, antibiotic synergism, antibiotic sensitivity testing, bactericidal activity, Staphylococcus aureus 7413.

Vancomycin, (continued)
serum levels, radioimmunoassay, comparison, fluorescence polarization
immunoassays, man 3116.

structure 8383

structure 8383.

Vanillic acid, catabolism, association, biodegradation 1000.

metabolism, decay fungi, white rot, brown rot, soft rot, association, lignin, biodegradation 2705.

metabolism, 2-methoxy-1,4-benzoquinone biosynthesis, laccase activity, fungi

Vapora, phase separation techniques, ethanol fermentation 1875.

phase separation techniques, ethanol fermentation 1875.

\*\*Particellar-zoster virus,
antibodies, detection, use, anti complement immunofluorescence, serum, man 1586. Venturia prima,
antibodies, detection, use, anti complement immunofluorescence, serum, man 1586. Venturia prima,
antiporia, skin tests, immunoassays 8447.
antiviral agents+c-interferon, antiviral activity synergism 4766.
detection, DNA hybridization analysis, cell culture 8452.
drug resistance, 1-9-D-arabinofuranosyl-E-5-(2-bromovinyl)uracil,
characterization 6403.

\*\*Immunity.\*\* man\_characterization. fluorescent antibody test, comparison.

\*\*Too cells,
Aricon swine fever virus cell culture, beads carriers, fermenters 1544.
cell culture, Sephadex carriers, propagation, mumps virus 7562.

characterization 6403.
immunity, man, characterization, fluorescent antibody test, comparison, enzyme-linked immunosorbent assay 636.
immunoglobulin G, radioimmunoassay, methodology 5009.
infection diagnosis, protein A, membrane filtration 5889.
membranes antigens, antibodies detection, enzyme immunoassay methodology 5880.
vaccines strains, antiviral agents susceptibility 4777.

Vascular system, Glycine max, translocation, nitrogen fixation, Rhizobium japonicum 2956. vacuum packaging, nitrogen packaging, spoilage, psychrotrophic bacteria, organoleptic evaluation 5363.

Vactor-borne diseases, squash leaf curl virus, Bemisia tabaci, characterization, disease transmission, Cucurbita 1150.

Vectors,

ectors, Aleyrodidae, yellow mosaic virus, plant diseases, Phaseolus aureus, disease control 3878.
Aphididae, barley yellow dwarf virus infection, Gramineae, interaction 1989.
Aphididae, disease spread, bean yellow mosaic virus, subterranean clover red leaf virus, epidermiology, Vicia faba 5405.
Aphis craccivora, cowpea aphid-borne mosaic virus disease transmission, Vigna unguiculata infestation resistance 7137.
Aphis gossypii, disease transmission, abaca mosaic virus, banana mosaic virus, Musa textilis 6276.
Apis, Erwinia amylovora fire blight, disease transmission, Pyrus communis 5442.
Aulacorthum circumflexum, subterranean clover red leaf virus disease transmission 4503.

Bernisia tabaci, disease transmission, cowpea mosaic virus, infectivity, Vigna unguiculata 3784.

unguiculata 3784.

Bemisia tabaci, population density, seasonal variations, cowpea mosaic virus,
Vigna unguiculata, Phaseolus lunatus 3783.

Cicadellidae, Delphacidae, disease transmission, viruses, mycoplasma-like
organisms, Oryza sativa 7156.

Colladonus montanus, Scaphytopius nitridus, disease transmission, yellows,
X-disease, Spiroplasma citri sioalation 8021.

coriander feathery red-vein virus, Hyadaphis foeniculi, USA, California 3822.

Delphacidae, Cicadellidae, disease transmission, mycoplasma-like organisms, Japan
7157.

7157.

7157.

Giesease transmission, plant viruses, Delphacidae, Cicadellidae 7130.

Eusceilidius variegatus, transmission, Spiroplasma stunt, Sinapis aiba, Pisum sativum, Raphanus sativus, Spinacia oleracea 8030.

integrated control, pest control 7648.

Lehmannia marginata, Endothia parasitica, blight, Castanea 8954.

mung bean yellow mosaic virus, Aleyrodidae, chemical control, insecticides, Vigna radiata 2055.

radiata 2055.

Myzus persicae, potato leaf roll virus, disease transmission, host range 4553.

Myzus persicae, potato leaf roll virus infection, Solanum tuberosum, insecticides, disease control 2065.

Nematoda, plant viruses disease transmission 6217.

Nephotetitx virescens, chemical control, carbofuran, phorate, disease control role tungro virus, Oryza sativa 2072.

Paracarsidara concolor, little leaf disease transmission, rickettsia-like organisms, mycoplasma-like organisms, treatment, Wissadula peripiocifolia, Jamaica 2047.

Polymyxa betae, plant viruses, plant diseases, roots, Beta vulgaris, British Islas 7190

Isles 7190.

Pseudococcus longispinus, disease transmission, grapevine virus A, plant diseases, Vitis vinifera 3844.

Raphidopalpa fevicolitis, disease transmission, cucumber green mottle mosaic virus, Lagenaria siceraria, Cucurbita pepo 8850.

rice tungro virus, Nephotettix virescens, pest control, carbofuran formulations, Oryza sativa 6295.

Spiroplasma stunt, Mycoplasma bushy stunt, host range, Dalbulus longulus 7960. tomato ringspot virus, Xiphinema, stem pitting, Prunus persica 8811.

Xiphinema index, grapevine fanleaf virus detection, enzyme-linked immunosorbent assay methodology 3255.

Yegetables,

canned food, toxins, Clostridium botulinum 3719.

fermentation, dialysis, continuous culture, lactic acid bacteria 2740.

canned food, toxins, Clostridium botulinum 3719.
formentation, dialysis, continuous culture, lactic acid bacteria 2740.
formentation, mixed culture, lactic acid bacteria +vegetables 7871.
formented food, production, role, lactic acid bacteria, reviews 211.
plant breeding, disease resistance, plant viruses 3856.

Vegetative celfa,
Bacillus subtilis, sporulation promotion factors, detection methodology 3334.
Clostridium botulinum, nitrite effects on iron-sulfur centers 6203.
growth stage, inheritance stripe rust, Triticum hybrids 2886.

Veillonells,
TSINA\_comparison methodology 2513.

rRNA, comparison methodology 2513.

spot, Carya illinoensis, Gnomina nerviseda, pathogenesis, epidemiology, disease control, funigicides 1137.

Venezuela, children, gastroenteritis, rotavirus (human) incidence, enzyme-linked immunosorbent assay 4165.
Venezuelan equine encephalitis virus, monoclonal antibodies, antivral activity 2328.

Ventilation, composting, temperature, evaporation, oxygenation 4085 mortuanes, bacteria aerosols, environmental hygiene 2415.

Venturia inaequalis,

enturia insequalis, air spora, samplers, epidemiology 804, 1,4-naphthoquinone derivatives antifungal activity 9103, overwintering, Malus 2001, scab, Malus floribunda, pathogenicity, growth, leaves 7988, scab, Malus pumila, capian use disease control, residues 8925, scab, Malus pumila, disease resistance, planto freeding 2835, scab, Malus pumila firuits, susceptibility, role, age, temperature, water availability 2797. scab, sterois inhibitors, disease control, Malus 3881.

inhibition, influenza A virus, repircation, MDCK cells 8331. **Vero cells**,

African swine fever virus cell culture, beads carriers, fermenters 1544, cell culture, Sephadex carriers, propagation, mumps virus 7562 enterotoxins detection methodology, Escherichia coli serotyping 3345, identification differention methodology, herpes simplex virus 1, herpes simplex virus 2 8457.

sensitivity, poliovirus antibodies titration 5003. SV40, DNA, transfection, methodology 5000. Verrucarin J,

Stachybotrys chartarum, biosynthesis, media (culture) 7072. Statistically of the state of t

production, zinc effects on, Aspergilius parasiticus 7887.

Vertical distribution,
β-D-fructofluranosidase activity, measuring techniques, soil 6333.

rhizosphere microorganisms, Areca 5646.
soil, Mycena galopus, Marasmius androsaceus, Onychiurus latus grazing effects on, torests, Picea sitchensis 8939.

Verticcladiella, iliquid culture, biosynthesis, antibiotics, phytotoxins 972.

Verticcladiella procera, incidence, soil, infection pathogenesis, Pinus strobus, Pinus sylvestris, USA, Virginia 3919.

Verticcladiella wagenerl, black stain, Pseudotsuga menziesii, thinning association 3924. morphology, variants, host specificity, Pseudotsuga menziesii, Pinus ponderosa 4613.

Verticlium. Verticillium,

erticilium, parasites, Rhabditis, Aphelenchus 2126. wilt, disease resistance, plant breeding, cultivars, Lycopersicon esculentum 1178. wilt, cossypium hirsutum, cellulose conversion, glucose production, cellulase

3683. wilt, Rhizobium meliloti growth, Medicago sativa, fungicides effects on 1211.

wilt, Phizobium meliloti growth, Medicago sativa, fungicides effects on 1211.

Verticillum albo-atrum,
antifungal activity, fungicides 8922.
condia anti/genic characteristics, relationship virulence, Humulus lupulus 2006.
infection, Lycopersicon esculentum, phytoalexins characterization 7200.
infection, Medicago sativa, pathogenesis, xylem 1118.
infection, tubers, Solanum tuberosum 8031
pathogenesis, Humulus lupulus, colonization correlation disease resistance 7207.
pathogenicity, wilt, Humulus lupulus S459.
resistance, benomyl, trimorfamidi 3009.
wilt, Cicor aretinum, epidemiology, Pakistan 1117.
wilt, disease resistance, cytogenetics Medicago sativa 2884.
wilt, Medicago sativa, hydroxyproline content, cell walls, association 7928.
wilt, vesicular-arbuscular mycorrhizas inoculation effects on, Lycopersicon esculentum 1205.
Verticillium blautatum.

Verticillium biguttatum, biological control, Rhizoctonia solani, plant diseases, Solanum tuberosum 5514. hyperparasitism, biological control, Rhizoctonia solani, mycelia soil amendment, Solanum tuberosum 2089 treatment, Rhizoctonia solani scierotia biological control, Lycopersicon

esculentum 325. Verticillium dahilae

erturnum darniaer, disease control, composting, crop residues 2842. disease transmission, Solanum tuberosum 7183. disease transmission, Solanum tuberosum 7183. disease resistance relationship 7204. fungicides, soil amendment, disease control, Solanum tuberosum 8121, infection, Solanum tuberosum, disease control, iso, imagiation+metam+sodium, disease control, iso, imagiation+metam+sodium,

mecuon, Solanum tuberosum, disease control, use, irrigation+metam+sodium, effects on yield 129. infection, tubers, Solanum tuberosum 8031. β-ionone, derivatives, retinol, antifungal activity 6491. microtia, sclerotia, structure, Solanum tuberosum 7936. pathogenicity, Gossypium hirsutum, soil-borne diseases association crop rotation 1149.

1149. pathogenicity, plant diseases, sclerotia characterization 2023. plant diseases, Solianum tuberosum, roots growth 5460. propagules, distribution, soil, USA, Ohio 7918. races, pathogenicity, Lycopersicon esculentum, Morocco 8038. relationship, Erwinia carotrovora subsp.carotovora, infection, pathology, Solanum

tuberosum 4533. tolerance, benzimidazoles 5720.

tolerance, benzimidazoles 5720.
wilt, Gossypium barbadense, phytoalexins accumulation association 2824.
wilt, Lycopersicon esculentum, disease resistance, plant breeding 2068.
wilt, Lycopersicon esculentum, epidemiology, USA, North Carolina 5456.
wilt, Lycopersicon esculentum predisposing factors, potassium, phosphorus 3833.
wilt, synergism, Erwinia carotovora subsp. afroseptica, Erwinia carotovora subsp. acroseptova, Erwinia carotovora subsp. acroseptova, Delandum tuberosum 7191.
Verticilitum fungicola ver.fungicola,
pathogens, diesase control, finabendazole, Agaricus brunnescens 8132.

Verticillium lecanii,

erucinium iecanii, biological control, benomyl, foliar applications effects on, Myzus persicae, Macrosiphoniella sanborni 6091. biological control, research programs, Aphididae 5232. conidia, spore germination, inhibition, carbaryl+iprodione, integrated control, Aphididae 2654.

Verticillium pselliotae, hyperparasitism, Hemileia vastatrix rust, Coffea, Malaysia 1204. Vealcles,

vesicular-arbuscular mycorrhizas, comparison, vesicular-arbuscular mycorrhizas+roots, use, inoculum 2153.

Vesicular stomatitis virus,

esicular sunnatus (\*1708), ambbodies, detection, counter immunoelectrophoresis, methodology 7569. artivital activity, esplatinum diamininodichlonde 9124. artivital activity, esplatinum diamininodichlonde 9124. artivital activity, interferon, cell culture 7389. assas; use, polificio 5890. defeccive interfering particiles detection, DNA hybridization analysis probes

4987.

f-diazo-5-oxo-L-norieucine, 2-deoxy-D-glucose, effects on, replication 9127. 
enumeration, methodology, mathematical models 1559. 
infected cells, a-interferon effects on protein biosynthesis 6470. 
infection, cell culture, 9-(2,3-dihydroxypropy) adenine artiviral activity 465. 
infection, insecticides, emulsifiers, solvents, effects on, mammalian cells, cell 
culture 2434.

culture 2434.
Infection, interferon antiviral activity, HeLa cells, mice L cells 1350 interferon antiviral activity, bioassays, in vitro 4773. interferon, antiviral activity, cell culture, mice 2226. L cells, interferon induction, antiviral activity 467.

L cells, interferon induction, antiviral activity 467, replication, antiviral activity, oclosporiin A, cell culture 8330, replication, interferon activity, oclosporiin A, cell culture 8330, replication, HeLa cells, nucleotides, antiviral activity, 8334, ribonucleoside-diphosphate reductase, DNA biosynthesis, inhibition, antiviral activity, parabactin, bis-11, N8-12,3-dehydroxy/benzy/spermidline 8335.

Vasicular-arbuscular mycorrhizas, +Azospiralium brasilense, incuculation, nitrogen fixation, nutrient uptake, yield, Zea mays, Lolium perenne 1257.
+Azotobacter chrocococoum, nitrogen fixation, seedlings inoculation, yield, Lactuca sativa 6375.

colonization, Allium cepa growth, phosphorus availability, water availability

colonization, organic matter 6344. colonization, roots, fruit trees 5649. competition, Glomus tenue, Glomus tenue,

comperation, cilonius tenue, cilonius rassoculatum, cilgaspora decipieris, indo-potential, plants 8973.
determination, plants, Argentina, soil types association 3939.
ecological evaluation, deserts, semiand environments, USA, California 8222.
effects on development, Heliotropium Fuchsia 2811.

effects on nutrient uptake, ammonium sulfate, nitrogen sources, Sorghum bicolor

8215.
enumeration, most probable number 2124.
formation, microsphere temperature effects on, forests soil 5549.
fungi, inoculation, Eleusine coracana, greenhouses screening 2145.
Gentiana lutea, symbiosis, detection 2131.
Gigaspora enythropa sp.nov., soil isolates 6349.
Gigaspora margarita, growth, in vitro, tissue culture, Prunus avium 5926.
Gigaspora margarita, sporulation, colonization mots, pure culture, Lycopersion esculentum 6481.

esculentum 8481.

Glomus calcónius, Glomus epigaeus, inoculum density, effects on nutrient uptake, Trifolium repens 8214.

Glomus pogaeum, Glomus mosseae, soil temperature effects on colonization, USA. Kansas, Trifoum aestrum 7259.

Glomus fasciculatum, inoculation, yield, citrus 3932.

Glomus fasciculatum, pH, ammonium nitrate ratio effects on, phosphorus, nutrient uptake, noots colonization, Chrysanthemun morifolium 5642.

Glomus fasciculatum, sthumilation growth, nutrient uptake, Arachis hypogaea 5641.

Glomus fasciculatus, ± Rhizobium, inoculation, yield, Leucaena leucocephala 7276.

727.0 Glomus fasciculatus, inoculation, +fertilization, effects on growth, Fraxinus americana, Juglans nigra 7229 Glomus fasciculatus, inoculation, growth stimulation, Chrysanthemum morifolium

1269

1.209. Glomus fasciculatus, phosphate nutrient uptake, interaction actinorrhizas ntrogen fixation, Hippophae rhamnoides 82.43. Glomus, inoculation, nutrient uptake, growth, Hordeum vulgare, Zea mays, Pisum sativum 7257.

sathvum 7257.

Glomus intraradices, nutrient uptake, phosphorus, water conductivity, transpiration, Citrus 8216.

Glomus marcocarpum, soil aeration, carbon dioxide effects on symbiosis, Eupatorium odoratum, Guizotia abyssinica, Sorghum bicolor 3937.

Glomus macrocarpus, infection, daylength effects on, Eupatorium odoratum, Guizotia abyssinica 8977.

Clamus macrocarpus, infection, light intensitiv effects on. Eupatorium odoration, of the contraction of the contracti

Guizotta adyssifica esr/17
Glomus macrocarpus, infection, light intensity effects on, Eupatorium odoratum,
Capsicum annuum 8975.
Glomus macrocarpus, inoculation, soil temperature, oxygen effects on, growth,
Eupatorium odoratum 7256.
Glomus marihotts, inoculation, fertilizers requirements, yield, Manihot esculenta

2934

Glomus mosseae, effects on copper uptake, Allium porrum 384 Glomus mosseae, inoculation, stimulation phosphorus uptake, seedlings growth, Malus domestica 3942.

maius comessica 3942. Glomus mosseae, nitrogen uptake, Apium graveolens 1259. Glomus mosseae, phosphate fertilizers interaction, effects on Medicago sativa 3946

Glomus mosseae, resistance, Allium ospa, heavy metals soil pollution 383. Glomus mosseae, resistance, Allium ospa, heavy metals soil pollution 383. Glomus mosseae, nots, carbon sources, phosphate, roots, mycelia, Acer pseudoplatanus 555. growth stimulation, roots density, soil volume inhibition, Allium cepa 5643. identification, use, fluorescent antibody usst 3360. infection, plants roots, statistical analysis 1254. infectivity, phosphate soil amendment, seasonal variations, Trifolium subterraneum 2144. inhibition, fertitizer applications+composts, effects on yield, Zea mays 3948. noculation, crop fields soil, field trials 7253. noculation, effects on Fraxinus americana seedlings growth 5548. inoculation, effects on Fixinius americana seedlings growth 5548. inoculation, effects on Rhizobium meliioti, nitrogen fixation, phosphorus, nutrient uptake, Medicago sativa 8221. inoculation, effects on Verticillium albo-atrum, wilt, Lycopersicon esculentum 1205.

noculation, growth stimulation, soils (saline), Lycopersicon esculentum 5616. inoculation, plants, reviews, methodology 827. inoculation, stimulation growth, latex levels, Parthenium argentatum 5622. inoculum potential, colonization, roots density. Trifolium subterraneum, Medicago truncatula 8217

Vesicular-erbuscular mycorrhizas, (continued)
inoculum potential, Gigaspora decipiens, Glomus fasciculatum, Glomus tenue,
plants 8972.

piants 4972.
inoculum production, Allium cepa 4632.
inoculum production, reviews 826.
inoculum production, reviews 826.
interaction, soil-borne diseases fungi, Nematoda plants pathogens, reviews 392.
interspectic relationships, Attiplex confertifolia 382.
Meloidogyne inoognita, mixed infection, phosphorus interaction, Lycopersicon
esculentum 37.

microwave radiation soil effects on 336

microwave radiation soil effects on 3001.

mixed culture, methodology, reviews 828.
montane environments, grasslands, phosphorus uptake 1260.
mycelia, nutrient uptake, tropical environment, forests 5576.
nutrient uptake, soil aeration effects on, Eupatorium odoratum, Sorghum bicolor,

nutrient uptake, soil aeration effects on, Eupatonum odoratum, Sorgnum bez Guizotia abyssmica 1256. plants response association, environmental effects, reviews 390. plants roots, measuring techniques, reviews 825. propagules, isolation methodology, measuring techniques, soil, reviews 824. protection Phytophthora fragariae, red core, Fragaria vesca 5448. restoration, soil storage, land reclamation, gravel pris 1253. + Hhizobium inoculation, Trifolium repens, nodulation, fertilizers effects on,

+ Rhizobium inoculation, Trifolium repens, nodulation, ferfilizers effects nodulation 5628.
+ Rhizobium meliloti, effects on growth, Medicago sativa 6341. roots colonization, phosphate, nutrient uptake, crops 5620. roots colonization, phosphate, nutrient uptake, physiology, trees 5554. roots colonization, population levels, plantations, Coffea arabica 5626. roots colonization, population levels, plantations, Coffea arabica 5626. roots colonization, seasonal variations, environmental factors, Atriplex gardneri, deserts 385.

roots colonization, soil pH, calcium oxide soil amendment effects on, Zea mays

5629

+roots, comparison, vesicles, use, inoculum 2153, roots infection, growth rate, models, Trifolium 2153, roots infection, Leguminosae, Malaysia 8164.

soil furnigation effects on 7298.

Sorghum vulgare, phosphorus effects on 8200.

spore germination, growth, factors affecting, reviews 391.

spore germination, hyphae growth, temperature effects on 402.

spores levels, phosphate rutrient uptake, yield, soils (sandy), Anacardium occidentale 7260.

sporulation, phosphate soil amendment induction, Paspalum notatum 2134. stimulation anions nutrient uptake, growth, triticum aestivum, Hordeum vulgare 5623.

5623. symbiosis, Asteraceae, Australia 2132. symbiosis, plant cells culture systems, asepsis 2120. symbiosis, plant cells culture systems, asepsis 2120. symbiosis, plants, effects on, measuring techniques, reviews 389. symbiosis, seedlings, Citrus aurantium, Poncirus trifoliata× Citrus sinensis, association, photosynthates distribution 8219. symbiosis, Trifolium, competition 3935. symbiosis, reded, association, habitat disturbance, USA, Utah 396. vertical distribution, irrigation, water salinity effects on, Citrus 1255. Veterinary medicine, pharmaceuticals, sterility testing, membrane filtration, viruses 7395.

Vibrio, antibacterial activity, ciprofloxacin 4744. antibacterial activity, mangostin, derivatives, isolation, Garcinia mangostana

antibiotic resistance, ampicillin 8293. drug resistance plasmids incidence, Salmo gairdneri isolates 9072. exotoxins, characterization 5391.

exotoxns, characterization 5391. identification, AutoMicrobic test 1645. identification, AutoMicrobic test 1645. identification, serological surveys, antisera 1590. indicator species, population levels, water temperature, rivers, estuaries 4131. isolation, media (isolation), quality control, statistical analysis 1622. siderophores biosynthesis 867. Vibrio alginotyticus, heat production, calorimetry methodology 3278. Vibrio anguillarum, effects on Desulforbrio vulgaris steel corrosion 2722. R factors, drug resistance 3969. Vibrio cholerae.

effects on Desulfovnoro vulgaris stelen controller 2, 222.

R factors, drug resistance 3989.

Vibrio cholerae,
ADP-ribosyl transferase, nucleotide sequence, amino acid sequence, biosynthesis, comparison, Eschenchia coli 7120.

arbibotic resistance 64422.

antigen O, lipopolysaccharides structure 1825.

cell surface antigens, enzyme-linkad immunosorbent assay methodology 1624.

chemotaxis, distilleries, effluents, coastal waters 560.

confamination, Crassostrea virginica, isolation methodology 5088.

detection, indirect fluorescent antibody test, equatie environment 9286.

drug resistance, nitrofurantoin, histidine ammonia-lyase induction 3037.

enterotoxins detection, introcelliulose enzyme-linked immunosorbent assay 4179.

enumeration, seasonal variations, coastal waters, USA, California 6715.

β-D-galactosidase activity, glucose effects on 8609.

hemolysis detection, use, Streptococcus β-hemolysis 9288.

indicator species, microbial pollution, sewage outfalls, coastal waters 6711.

isolation, media (isolation), qualify control, statistical analysis 1622.

like toxins, Campylobacter, genes probes 5389.

microbial pollution, estuaries 6713. plasmids, gene transfer, antibiotic resistance, clinical isolates, man, India, Tamil Nadu 6400.

Tamil Nadu 6400.

radioimmunoassay, detection, enterotoxins, production 3272.
serum bactericidal activity, measuring techniques, bioluminescence 489.

Shigella dysenteriae like toxins, biosynthesis 3758.

streptomycin resistance induction, furzacidone mutation 3993.

toxins, A1-subunit, ADP-ribosylation sites, amino acid sequench 1085, toxins, peptide synthesis, toxins, conjugate, antisera production, vaccines 4078.

https://dx.doi.org/10.108/10.1081

toxins, synthetic antigens, vaccines 6654, vaccines, production, characterization 541,

Vibrio fluvialis,

isolation, media (isolation), quality control, statistical analysis 1622.

Vibrio harveyl,
3':5'-cyclic-nucleotide phosphodiesterase, thin-layer chromatography 3279.

Vibrio minicus,

VIbrio mimicus, clinical isolates, animayer ciriomatography 3279, clinical isolates, enterotoxins purification, characterization 8750. VIbrio natriegens, cell culture, growth, computer applications, monitoring, control 3326. VIbrio parahaemolyticus, detection, media (selective) 777. isolation, antibiotic sensitivity testing, oitits media, man 3094, isolation, antibiotic sensitivity testing, oitits media, man 3094, isolation, marine environment, media (enrichment), media (isolation) 7619, isolation, media (isolation), quality control, statistical analysis 1622, microbial pollution, estuaries 6713. Shipella dysenteriae like toxins, biosynthesis 3758. VIbrio vulniticus, hemolysins production, factors affection, binassays 6786.

Vibrio vulnificus, hemolysins production, factors affecting, bioassays 6786, isolation, media (isolation), quality control, statistical analysis 1622, phospholipase A2, lysophospholipase, purfication, characterization 7676.

Vibrionacese, animal isolates, antibiotic sensitivity testing 477.

Iipopolysaccharides, 3-deoxy-D-manno-2-octulosonic acid derivatives 5200.

Vibro parahaemolyticus, oddocynamination, seafood, Pisces 8712.

Vicia faba, Botrytis fabae chocolate spot, pectinolytic enzymes, phytotoxins, effects on

Dobytis latase uncontract space potentially and pathogenesis 3794.

Botrytis fabae infection, humidity effects on pathogenesis 5413.

disease resistance plant breeding screening projects, bean yellow mosaic virus

disease resistance plant breeding screening projects, bean yellow mosaic virus 3873. disease resistance, Uromyces viciae-fabae 1198. disease spread, subterranean clover red leaf virus, bean yellow mosaic virus, epidemiology, vectors, Aphididae 5405. flowers, mycotfora, beans aflatoxins contamination, Egypt 7085. infection, etiology, Botrytis cinerea, Botrytis favae 1970. leaf rust, pathogenesis, Uromyces viciae-fabae urediniospores, nutrient requirements 5408. plant breeding, disease resistance, rust, Uromyces viciae-fabae 2882. plant diseases, books 4236. reproduction, yield, inhibition, infection, bean yellow mosaic virus, Echtes Ackerbohnen-mosaic virus, pea leaf roll virus 7938. residue biodegradation, soil phosphate availability 3668. rust, Uromyces vicia-fabae, tradimeton, antifungal activity 3901. rust, Uromyces vicia-fabae, pruccinia recondita, triadimeton effects on ultrastructure 8131. seed-borne diseases, Ascochyta fabae 7136. straw, composts, thermophilic fung 6168. Uromyces viciae-fabae infection, Cryptococcus synergism 7135. Victorin, purfication, high-pressure liquid chromatography, U.V. spectroscopy, Bipolaris victoriae 7310.

Victoxinine.

derivatives, isolation, N.M.R., toxins, Helminthosporium victoriae 3733.

Vidarabine, antiviral activity, Eunicella cavolini isolates 9128. antiviral activity, herpes simplex virus 2 9114. drug resistance, herpes simplex virus, cytarabine incorporation DNA association 3067.

+9-(2-hydroxyethoxymethyl)guanine, antiviral activity, DNA biosynthesis, herpes simplex virus 1 7388.

Vigna acontifolia, seed-borne diseases, seed treatments, captan, carbendazim 8143.
Vigna mungo, nodules, Rhizobium, rhizosphere inhibition, Streptomyces 6378, plant viruses infection, metabolites concentration 2776.
Vigna radieta, licenses, view of the common mosaic virus, nitrogen, effects on 4511. hydrogenase activity, Rhizobium 4664. mung bean yellow mosaic virus, Aleyrodidae vectors, insecticides, chemical control 2055. nitrogen fixation, Rhizobium, soil moisture effects on 4640. nodulation, Rhizobium, soil moisture effects on 4640. nodulation, Rhizobium, efficiency correlation antibiotic resistance 4662. nodulation, Phizobium efficiency correlation antibiotic resistance 4662. nodulation, Rhizobium, efficiency correlation antibiotic resistance 4662. nodulation, Rhizobium efficiency correlation antibiotic resistance 4662. Phylody, mycopolasma-like organisms, leaves lesions, ultrastructure 8773, plant foreeding, disease resistance, urdeen leaf crinicle virus 2071. plant viruses infection, metabolities concentration 2776. Rhizobium symbiosis, environmental stress effects on nitrogen fixation 5679. seed oit, Phoma exigua, pectinolytic enzymes, production 3797.

cowpea chlorotic mottle virus infection, RNA polymerase (RNA-dependent) activity

cowpea chlorotic mottle virus infection, RNA polymerase (RNA-dependent) activity
4508.

dark effects on susceptibility, cowpea mosaic virus, infection 6223.
induculation, nitrogen fixation, Rhizobium 8999.
leafspot, Septoria vignicola, pathogenesis, role, relative humidity 8779.
leaves, lesions, affalfa mosaic virus 8857.
Vigna unguiculata,
Aspergilius parasticus infection, affatoxins production, Tanzania 3795.
cowpea banding mosaic virus, disease control, heat treatments, seed treatments
2095.

2095.

cowpea chiorotic mottle virus infectivity, symptoms, antiviral agents foliar applications effects on 3903.

cowpea mosaic virus, disease transmission, vectors, Bernisia tabaci 3784.

cowpea mosaic virus, incidence, vectors, Bernisia tabaci, population density, seasonal variations 3783.

damping-off, fungicides disease control, herbicides soil applications effects on 2000.

disease resistance, blight, Xanthomonas campestris pv.vignicola 8891. disease resistance plant breeding 8898. disease resistance, tobacco necrosis virus, sunn-hemp mosaic virus, nutrition

effects on 312.

effects on 312.

fertilizer applicatione effects on nodulation, inoculation, Rhizobium 2983.

growth, Fusarium oxysporum+sunnhemp mosaic virus mixed infection effects on 5407.

hydrogenase activity, Rhizobium 4664.

Vigna unguiculata, (continued)
inodence, plant viruses infection, USA, South Carolina 8777.
infeatation resistance, Aphis craccivora vectors, cowpea aphid-borne mosaic virus
disease transmission 7137.
inoculation, Glomus fascuculatum+Rhizobium, +phosphate 2945.
leaf characters, shoots weight, relationship, nitrogen fixation, genotypes
screening association 9000.

screening association 9000.

leaves, hypersensitive response, Xanthomonas campestris pv. oryzae 6330.

leaves, plant viruses infection, RNA replication, actinomycin D sensitivity 7931.

mesophyli cells, infection, tobacco mosaic virus, tobacco necrosis virus, pathogenesis 6225.

modulation, Bradythizobium japonicum 5664.

Myrothecium roridum infection, leaves amino acid composition 1977.

nodulation, Philozobium, 930.

nodulation, Philozobium 630.

nodulation, Sil temperature tolerance, dessication, tropical environment, soil isolates, Rhizobium 834.

nodules, Bradythizobium 6364.

nodules, Phizobium 7364.

on 7291
plant freeding, nitrogen fixation 1271
plant diseases, cowpea severe mosaic virus serotypes 6224,
plant diseases, Fusarium oxysporum, mixed infection, sunnhemp mosaic virus,
pathogenesis, scanning electron microscopy 6326,
protoplasts, cowpea mosaic virus interaction 247,
Rhizobium, y radiation effects on, soils (acid) 2951,
Rhizobium, gloupimosarum, morphology, antibuotic resistance 9013,
Rhizobium, nitrogen fixation, characterization 9019,
Rhizobium, nitrogen fixation, nitrogenes, temperature effects on 2168,
rhizosphere, bacteria population levels 7264,
seedlings, mixed infection, Fusarium oxysporum+sunnhemp mosaic virus, nutrition
effects on pathogenesis 6234,
southern bean mosaic virus strains isolation, pathogenicity, temperature role
2777.
varieties, nitrogen fixation, Rhizobium 4645.

varieties, nitrogen fixation, Rhizobium 4645. Xanthomonas campestris pv.vignicola blight, incidences 6231. yield, Rhizobium inoculum, carriers, bagasse, soil 2982.

yield, rritizuoum nuosaam, virina roses, antigens, antisera 1968 
Vinca roses, infection, Sproplasma citri, pathogenesis, antigens, antisera 1968 
Vincetoxicum officinale, infection, Cronartium flaccidum, sporulation, teliospores, urediniospores, environmental factors effects on 3927. 
Vinclozolin, antifunal activity, resistance, Aspergillus nidulans, Cladosporium cucum infulgation, activity, resistance, Aspergillus nidulans, Cladosporium cucumerinum, Penicillium talicum 8296. disease control, Phytophthora cactorum fruit rot, Botrytis cinerea grey mold, Fragaria chiloensis 7214. disease control, Sclerotinia scierotiorum, Phoma lingam, stalk rot, Brassica disease control, Sclerotinia scierotiorum, Phoma lingam, stalk rot, Brassica

napus 2903. pesticide resistance, Sclerotium cepivorum 5529

pestitude resistance volvinegar, yinegar, production, Acetobacter aceti fermentation, sap. Nypa fruticans 6999. Viologen, reduction flavodoxin, pulse radiolysis, Megasphaera elsdenii 858. Viomellerin, Desicillium contamination, Hordeum vuigare, nephropathy, pigs 224.

rabies virus antiviral activity 4765.

rabies virus antiviral activity 4765. Virginlamycin, antibacterial activity, Clostridium, agar dilution test, animal isolates 3050. antibiotic A2315A, biosynthesis, actinomycetes 9210. antibiotic sensitivity testing, Eschenchia coli, Pseudomonas aeruginosa 9215. binding ribosomes, pH, 10ns effects on 8376. biosynthesis, N.M.F. 532. feeds, Salmonella typhimurium experimental infection, pigs, antibacterial

leeds: Salflorienta typinintunum vegetimine activity 446.
residues, feces, inhibition methanogenesis, digestion (anaerobic) 8396.
Streptomyces virginiae, biosynthesis 1423.
Virticides,
antiviral activity, methodology 1348.

anuvitar activity.
Viroids,
detection, plants, electrophoresis methodology 4152.
plant diseases 7919.

Irulence,
Alternaria helianthi, blight, Helianthus annuus 8033.
Alternaria helianthi, blight, Helianthus annuus 8033.
Bacillus sphaencus, biological control, Simulium damnosum 5261.
bardy stripe mosaic virus, Avena fatua 6241.
black rof, Arachis hypogeae genotypes comparison, plant breeding 8084.
Corchibobius victoriae controld, soli, plant diseases 1090.
Cryphonectria parasitica, conversion, Castanea dentata isolates, blight belogical control 6326.

Synniciting parasitica, conversioni, castanea dentata isolates, bright biological control 6326.

Cryphonectria parasitica, conversion, Castanea dentata isolates, blight biological control 6327.

Endothia parasitica, conversion, double stranded RNA elimination, Castanea sativa blight biological control 6328.

Endothia parasitica killer factor, double-stranded RNA, biological control, bilght, Castanea dentata 8638.

Enwinia amylovora, Maius pumilia, characterization 2803.

Enwinia carotovora subsp. carotovora, pathogenesis, Solanum tuberosum, stems 2817.

Fusarium roseum, Trifolium pratense 1116.

genes, Puccinia graminis, Puccinia recondita, races, host-pathogen interactions, disease resistance genes, plant breeding, Trificum aestivum 2858.

genes, Puccinia graminis, fsp.tritici, association, stem rust, geographical distribution 7972.

genetic varlance, relationship, weed control, biological control, phytopathogenic fungi 3839.

fungi 3893. Geotrichum candidum, plant diseases, extracellular enzymes activity 7128.

Geortronum candidum, piant diseases, extraceiullar enzymes activity 7128. host-pathogen interactions, piant diseases 8765. 
Hymphoxylon mammatum, stem canker, Populus tremulcides 8174. 
microorganisms, plant diseases, pathology, reviews 4492. 
plasmids characterization, Yersinia enterocolitica 6781. 
Puccinia graminis f.sp. secalis races, Secale cereale, North America 265. 
Puccinia graminis f.sp. tritici, rust, association, gene expression, geographical distribution 7922. Puccinia graminis f.sp.tritici, stem rust, genes, plant breeding, Triticum aestivum 4239.

Septoria nodorum, Hordeum vulgare, Triticum aestivum 7148.

Virulencs, (continued)
Sphaerotheca pannosa var.rosae, Rosa cultivars 2807.
Uromyces appendiculatus, monokaryons, comparison, dikaryons, Phaseolus vulgaris 2780. Viruses, (continued)
microbial pollution, sewage sludge, effluents, land disposal, reviews 2335.
microbial pollution, waste water aerosols irrigation, public health risks, reviews 2336. roviews 2336.
non-A non-D hepatitis, enzyme-linked immunosorbent assay 6748.
pathogens, public health, sewage sludge, land disposal 2367.
pathogens, public health, sewage sludge, land disposal 2367.
pharmaceuticals sterilization 9144.
plant diseases. Cirtus marcophylia, Glomus etunicatus symbiosis effects on pathogenisis 4635.
plant diseases, conferences 9350.
plant diseases, entology, pathology, Phaseolus limensis 8775.
plant diseases, Fragaria, books 1887.
plant diseases, Fragaria, books 1887.
plant diseases, Solanum tuberosum, books 3380.
plant diseases, Solanum tuberosum, books 3380.
plant diseases, Veila fransformation assays, use, tetrazolium blue staining 9275.
production, vaccines, antisera, immune serum globulin, industrial applications 9218. Uromyces phaseoli races, rust, disease resistance, Phaseolus vulgaris 2846. Yersinia, bioassays, agglutination 6758. Yersinia enterocolitica, measuring techniques, Congo red agar 749. Yersinia enterocomica, measuring techniques, Corigir led egair 749. Yirus-like particles, cherry leaf roll virus, localization, pollen, anthers, transmission (vertical), Prunus avium, Betula pendula, Juglans regia 7990. telology, cotton leaf crumple disease, Gossypium hirsutum, Malva parviflora, Phasecolus vulgaris, USA, Arizona, polidemics 814. green ring mottle, infection, Prunus, ribavirin foliar applications effects on 2002. infection, Gramineae, Australia 1988. Viruses, Iruses, process, isolation, water 6750.
antigens genes cloning, vaccines production, genetic engineering 5807.
antigens, immune response, vaccines development association, man 3178.
antigens, radioimmunoassay 6747.
antigens, radioimmunoassay 6747.
antimicrobial activity, disinfectants, antiseptics, antimicrobial agents
preservatives 9137.
antimicrobial agents, antibiotics, structure-activity relationships, reviews purification methodology, cesium chloride density gradients 642. γ radiation inactivation, manure, pigs 4087. recovery, activated sludge 548. preservatives 9137.

antimicrobial agents, antibiotics, structure-activity relationships, reviews preservatives 9137.

antimicrobial agents, antibiotics, structure-activity relationships, reviews antiviral activity, reviews activity, reviews activity agents, antiviral activity, characterization, reviews 8326.

antiviral agents, antiviral activity, characterization, reviews 8326.

Apis mellifera, antisera production 5891.

9-D-arabinoturanosyladenine, analogs, antiviral activity 6478.

biological control, lnsecta 8639.

biological control, lnsecta 8639.

biological control, lnsecta 8639.

biological control, lnsecta 8639.

biological control, lnsecta, reviews 7772.

biological control, lnsecta, reviews 7772.

biological control, lnsecta, reviews 7772.

biological control, lnsecta, reviews 2774.

biological control, lnsecta, reviews 2774.

biological control, lnsecta, reviews 2774.

cloring vectors, books 842.

concentration, comparison, fifters, waste water, methodology 4952.

concentration, infiration methodology, water 9283.

crops plant diseases, control, evological evaluation, reviews 3764.

culture collections, media (transport) methodology 2442.

detection, infiration, waste water, New Zealand 3219.

detection, dentification, waste water, New Zealand 3219.

detection, infiration, waste water, New Zealand 3219.

detection, inspection, waste water, New Zealand 3219.

detection, use, potalo virus Y monoclonal antibodies, characterization 2432.

disease resistance, plant breeding, Glycine max 5473.

disease resistance, plant breeding, Glycine max 5473.

disease transmission, cleadellidae, reviews, Oryza sativa 7156.

disease transmission, reviews, Rubus 8004.

disinfectants, wastewater treatment, chlorine, residues 4938.

DNA, genetic engineering, vaccines, reviews 3866.

DNA, RNA, silver staining, methodology 2333.

electron microscopy, detection, amitgen-antibody complexes 653.

feros, detection, immunelectron microscopy, magnetic fields 9273.

hemorrhagic lever, association, nephrotic syndrome, etology, imm recovery, activated sludge 548.
recovery, activated sludge, waste water effluents 4956.
replication, 2-bromo-2-chloro-1,1,1-trifluoroethane, effects on 6474.
RNA, pyrazofurin, antivral activity 4020.
sewage treatment, public health 2363.
solid wastes, disease transmission. Rodentia, Diptera, public health 2361.
sorption, soil, waste water, applications 3931.
sterility testing, membrane filitration, pharmaceuticals, veterinary medicine
7395. 7395. survival, sewage sludge disposal sites, Atlantic Ocean 9242. synthetic antigens, vaccines, production methodology 6625. use, DNA recombination, methodology 841. vaccines development, biotechnology, immunological aspects 7483. vaccines genetic engineering 4073. vaccines production, fermenters, chick embryos cells growth optimization 4077. vaccines production, genetic engineering, bacteria 4075. vaccines production, reviews 7480. vaccines production, reviews 9220. vaccines production, reviems 9220. vaccines production, reviems 9220. vaccines production, veterinary medicine, reviews 5806. vaccines production, teviews 9220.
vaccines production, veterinary medicine, reviews 5806.
water pollution, rivers, Japan 8423.
water quality, rivers, sewage effluents 9254.
Virustomycin A,
structure 3165.
Viscarla vulgaris,
host-pathogen interactions, Ustilago violacea, models, islands biogeography 3840. Vitamin B complex, levels, com meals, fermentation, lactic acid bacteria 5356. Vitamins, effects on yeasts growth, association wine 7869. excretion, soil, Azotobacter vinelandii 1266. levels, corn meals, fermentation, lactic acid bacteria 5356. nutrient requirements, media (culture), Bacillus thuringiensis subsp.galleriae pharmaceuticals production, fungi, bacteria 8651. single-cell protein, thermophilic fungi 860. starter cultures, effects on growth, Leuconostoc oenos 5269. Vitts, hosts, tobacco ringspot virus, tomato ringspot virus 3818, powdery mildew, Uncinula neator, association, yield, growth, wine quality, USA, New York 8833.
Vitts amurensis,

Vittis vinitera, plant breeding, disease resistance, crown gall, Agrobacterium tumefaciens 8906.

Vittis vinitera, plant breeding, inheritance, disease resistance, crown gall, agrobacterium tumefaciens 8908.
Vittis rotunditolla, rot, Colletotrichum gloeosporioides, pathogenesis, disease control 8006.
Vittis vinitera, Agrobacterium trown gloeosporioides, pathogenesis, disease control 8006.
Vittis vinitera, Agrobacterium crown gall, epidemiology, Afghanistan 1151. inactivation methodology, interferon assays preparation 8459.

inactivation, peracids antiviral activity 470.
inactivators proteins, purification, characterization, electron microscopy, Bombyx mori 9113.
indicator species, politicion control, water reclamation 2394.
infection, Calendula officinalis rosette 4547.
infection, Calendula officinalis rosette 4547.
infection, Chlorella cell culture, plaque assay development 592.
infection, infection, infection activity, Hela. cells, mice L cells 1350.
infection, permplasm, Solanum tuberosum 8882.
infection, inferferon antiviral activity, Hela. cells, mice L cells 1350.
infection, line verse, cytopathology, Picea abies, Pinus sylvestris 6325.
infection, man, antiviral agents, treatment 2229.
infection, michiem prophology, 1108.
infection, Primates, detection, methodology 9274.
infection, Primates, detection, methodology 9274.
infection, Primates, detection, methodology 9274.
infection, Primates, detection, methodology 8274.
infection, Primates, detection, methodology 8274.
infection, principal culture, bacteria contamination prophylaxis, use, penicillin, comparison, vancomycin 1557.
solation enhancement, fibroblasts monolayers 4982.
isolation, identification, methodology 3231.
levels, association, cell culture, bacteria contamination prophylaxis, use, penicillin, comparison, vancomycin 1557.
levels, detection methodology 3231.
levels, association, methodology 3231. Intis vinifera,
Agrobacterium crown gall, epidemiology, Afghanistan 1151.
bunch rot, factors affecting pathogenesis, Botrytis cinerea 2041.
clones, yield, leaf-roll, genetic variance, effects on 8859.
crown gall, Agrobacterium, etiology 3848.
crown gall, Agrobacterium, etiology 3848.
crown gall, Agrobacterium tumefaciens 279.
cultivars, plant breeding, disease resistance, Pierce's disease, yield 8064.
cultivars, plant breeding, disease resistance, Pierce's disease 6068.
decline, Pythium ultimum, disease control, effostie-Al, metalaxyi, mancozeb 8122.
Eutypa armeniacae dieback, sporse dispersal 1152.
foliar diseases, phytopathogenic fungi, seasonal variations 8016.
host specificity, Agrobacterium rhizogenes 269.
× Muscadinia rotundifolia hybrids, cross-breeding, phylloxera resistance
3832. pathogenesis comparison, grapevine mottle virus, grapevine vein mosaic virus, symptoms 3816. Plant breeding, disease resistance, host-pathogen interactions, phytopathogenic fungi 2869. fungi 2869.

plant diseases, grapevine leaf roll virus, growth, yield 4536.

plant diseases, grapevine virus A, disease transmission, vectors, Pseudococcus
longispinus 3844.

powdery mildew, sulfur applications, disease control 30.

Vittis amurensis, plant breeding, disease resistance, crown gall,
Agrobacterium tumetaciens 8906.

Vittis amurensis, plant breeding, inheritance, disease resistance, crown
gall, Agrobacterium tumetaciens 8908.

witti, gram-negative bacteria, pathogenicity, colonial characteristics 280.

Vield, Sphaceloma ampelimum anthracnose 2029.

Vield, Sphaceloma ampelimum anthracnose 2029. 3206 320b. levels, detection methodology, surface water, drinking water, reviews 2384. levels standardization, waste water, disease transmission, reviews 2334. levels wastewater treatment association aquaculture, Hypophthalmichthys molitrix, Aristichthys nobilis 1463. man feces, separation techniques, potassium tartrate+glycerol density gradients 1555. microbial pollution, adsorption, survival, temperature effects on, ground water Volatilization, soil microorganisms 7261.

Volcanic ash, soil microorganisms, effects on carbon dioxide production 7269.

Volvariella volvacea, exo-1,2-1,3-α-D-mannosidase production 6873. microbial pollution, environmental monitoring, measuring techniques, reviews

2397.
microbial pollution, public health risks, standards, environmental monitoring, reviews, books 2537.
microbial pollution, rivers, Romania 2406.

```
Waste water, (continued)
populations, bacteria seperation, methodology density gradients 3269,
potatoes food processing, use, fermentation, Saccharomycopsis fibuligera, Candida
                  binioxim, biosynthesis, Fusarium solani var.coeruleum, potatoes 5372, feeds contamination, pregnancy, pigs, effects on fetuses 2746, food contamination, food processing, flour 3737, food contamination, wheat 7098.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          potatoes food processing, use, fermentation, Saccharomycopsis fibuligera, C utilis, biomass 157.
pulp mills, industrial effluents, lignin, fungi, coastal waters 1455.
rivers, microorganisms, biodegradation, dissolved oxygen, organic matter, biochemical oxygen demand, biomass, ATP 1454.
sprays irrigation, bacteria dispersion 9250.
survival, viruses, rotavirus, reovirus, public health 1459.
survival, viruses, totavirus, reovirus, public health 1459.
viruses detection, identification, New Zealand 3219.
viruses detection, identification, disease transmission, reviews 2334.
viruses microbial pollution, environmental monitoring, measuring techniques, reviews 2387.
                  Toda contamination, wheat 7098. 
Fusarium graminearum, levels, food contamination, flour, Hordeum vulgare 2737. 
Fusarium, structure 1930. 
9as chromatography, food contamination, grain, Hordeum vulgare 7107. 
incidence, wheat 1927. 
levels, food processing effects on, flour, wheat 7890. 
production, liquid culture, Fusarium graminearum 2755.
  Vulpes vulpes,
vaccines production, immunogenicity, rabies virus strains 6629.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             viruses micropial poliution, environmental monitoring, measuring techniq
reviews 2387.
water isolates. Salmonella, R factors transfer, antibiotic resistance 9046.
water quality, pollution effects, indicator species, fecal coliforms 4132.
xenobiotics biodegradation, Pseudomonas 4426.
  Waltzea.
  Waltzea,
ectomycorrhizas symbiosis, Australia 2132.
Wangleila dermattidia,
pathogens, isolation, feeds, storage buildings 582.
Washing,
laundry, bacteria enumeration, hospitals 3226.
neonates, relationship, skin microflora, bacteria infection, man 6729.
Waste dilaposal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Wastes,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Vastes,
Citrus, use, Penicillium digitatum ethylene production, fermentation 973, food processing, astaxanthin extraction, silage, Procambarus clarkii 2714, food processing, bioreactors, methanogenesis, Coffea arabica 7515. food processing, methanogenesis, digestion (anaerobic), Beta vulgaris 6891. methanogenesis, digestion (anaerobic) 5831. methanogenesis, digestion (anaerobic) 5831. microorganisms, biochemical oxygen demand, chemical oxygen demand, measuring techniques, enumeration, waste water, biochemical characteristics, reviews 4918. organic matter, conversion, biomass, beteina, fungli, methodology, books 6793. organic matter, conversion, biomass, biomass, production, use, rural populations, rural environments, books 6794. pentachlorophenol containing, synthetic, activated sludge waste treatment, use, Arthrobacter 559.
neonates, relationship, skin microflora, bacteria infection, man 6729.

Waste disposal,
erivironmental hygiene, conferences 2548.
erivironmental hygiene, pathogens, hospitals 2359.
hospitals wastes, pathogens, sanitation 1520.
industrial wastes, role, microorganisms, reviews 6704.
landfills, leachates, public health, Mycobacterium, Streptococcus 3198.

Waste disposal sites,
mining, land reclamation, soil microorganisms 4676.

Waste treatment,
activated studge, pentachlorophenol containing synthetic wastes, use,
Arthrobacter 559.
animal, wastes, methanogenesis 2339.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Arthrobacter 559.

**Nastewater treatment,
activated sludge, aerobic bacteria, ATP, monitoring, characterization 8409.
activated sludge, aerobic bacteria, ATP, monitoring, characterization 8409.
activated sludge, aerobic bacteria, ATP, monitoring, characterization 8409.
activated sludge, carbon (activated), industrial effluents, dyes 6677.
activated sludge, carbon (activated), industrial effluents, dyes 6677.
activated sludge, copper effects on 4113.
activated sludge, laterial, design, microorganisms 4925.
activated sludge, laterial, design, microorganisms 4925.
activated sludge, leachates, industrial wastes, landfills 4084.
activated sludge, microorganisms, population dynamics 4105.
activated sludge, microorganisms, population dynamics 4105.
activated sludge, parins, tin, bloodes inhibition 6673.
activated sludge, parins, tin, bloodes inhibition 6673.
activated sludge, pesticides removal 4962.
activated sludge, pesticides removal 4962.
activated sludge, previews, bibliographies 4905.
activated sludge, reviews, solitory, bibliographies 4905.
activated sludge, reviews, bibliographies 4905.
activated sludge, reviews, solitory, bibliographies 4905.
activated sludge, previews, solitory, bibl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Arthrobacter 559.
Wastewater treatment.
               Arthrobacter 559.

Arthrobacter 559.

Arthrobacter 559.

Carbon (activated), aeration, filters, microorganisms 6698.

Chickens manure, methanogenesis, digestion (anaerobic), immobilized cells 7518.

Composting, industrial wastes, food processing 6682.

Composting, Japan, biotechnology 4923.

Composting, sol decontamination, biodegradation, 2,4,6-trinitrotoluene, hexahydro-1,3,5-trinitro-1,3,5-triazine 7511.

detoxification, genetic engineering, microorganisms, research programs 4088.

digestion (anaerobic), manure 9230.

digestion (anaerobic), manure, cattle 9226.

digestion (anaerobic), manure, cattle 9226.

digestion (anaerobic), microorganisms, ethanol, production, methodology, books, conferences 8500.
            digestion (anaerobic), mass spectroscopy, monitoring, methanogenesis 1458. digestion (anaerobic), microorganisms, ethanol, production, methodology, books conferences 8500. feeds, microorganisms 5351. food processing by-products, microorganisms 5320. gases, use, microorganisms growth filters, organic compounds removal 3188. hazardous wastes, microorganisms use, books 1694. industrial wastes, conferences 4244. industrial wastes, conferences 4244. industrial wastes, organic compounds, biodegradation, microorganisms 547. industrial wastes, toxicants, use, biotechnology, methodology 8398. land disposal, oil and gas industry industrial wastes, biodegradation, soil microorganisms 2178. landfills, bacteria, methanogenesis 1457. lalustrial wastes, toxicant disudge 3195. manure, starter cultures, methanogenesis 2340. methanogenic bacteria, digestion (anaerobic), fluorescence, monitoring 4104. organic compounds 9238. Saccharomycopsis fibuliger, growth, pectin, biodegradation 7831. sedimentation, equipment, agitation, yeasts 5848. sewage sludges, carbon (activated), assays, biomass suspended matter 2379. use, genetic engineering microorganisms 4126. use, gienetic engineering microorganisms 4126. use, gienetic engineering microorganisms 4126.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4926.
animal wastes effluents, bacteria 7512.
aquaculture association, Hypophinhalmichthys molitrix, Aristichthys nobilis,
levels, fead coliforms, Streptococcus, Salmonella, viruses 1463.
aromatic compounds biodegradation, carbon (activated) adsorption 1475.
acromatic compounds, ozonation, biodegradability 2371.
bacteria, role, biodegradation, pentachiorophenol 1035.
bioreactors effluents, digestion (anaerobic), methanogenesis 5827.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               biotechnology 2362.
coal 5843.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          biotecnorlogy 20-2.

coal 5043.

coal, lioreactors, digestion (anaerobic) 4109.

conteriorea 2545.

coal, lioreactors, digestion (anaerobic) 4109.

conteriorea 2545.

coal, lioreactors, denitrifying bacteria 4107.

denitrification, reviews bibliographies 4908.

diany industry, reviews, bibliographies 4908.

diany industry, reviews, bibliographies 4914.

digestion (anaerobic), dagons, landfills leachates 7516.

digestion (anaerobic) 6881.

digestion (anaerobic) 6865.

digestion (anaerobic), animal wastes, cattle, mesophilic bacteria 7519.

digestion (anaerobic), animal wastes, pigs 7521.

digestion (anaerobic), animal wastes, pigs 7521.

digestion (anaerobic), bioreactors 4100.

digestion (anaerobic), bioreactors 4921.

digestion (anaerobic), bioreactors 4921.

digestion (anaerobic), bioreactors 4921.

digestion (anaerobic), bioreactors 4921.

digestion (anaerobic), mathematical models 525.

digestion (anaerobic), mathematical models 9230.

digestion (anaerobic), mathematical models 9230.

digestion (anaerobic), mathematical models 5260.
  Waste water,
aerosols irrigation, viruses microbial pollution, public health risks, reviews
2336.
          applications, soil, viruses, sorption 3931.

applications, soil, viruses, sorption 3931.

bochemical characteristics, microorganisms, wastes, blochemical oxygen demand, chemical oxygen demand, measuring techniques, enumeration, reviews 4918.

blochemical oxygen demand assays, nitrification inhibitors,
2-chloro-6-(trichloromethyl)pyridine 1476.

chemical analysis, electrodes, immobilized cells 768.

coliforms enumeration methodology, U.V. radiation disinfection 9263.

coliforms enuneration methodology, 9257.

coliforms monitoring methodology, 9257.

coliforms monitoring methodology, 9258.

dentrification, hyphomicrobium growth, methanol carbon sources 1492.

disinfection, reviews 1478.

effluents, viruses recovery, activated sludge 4956.

Enterobacteriaceae isolation, gentamicin antibiotic resistance, plasmids transmission 9076.

enterovirus levels, measuring techniques 7532.

filters, companson, concentration, viruses, methodology, 4952.

intilitation, pollutants blodegradation, indigenous species, ground water, bacteria 5813.

irrigation, agriculture, coxsackievirus B5 seroepidemiology, occupational
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          6705.

digestion (anaerobic), methane production, methanogenic bacteria 4116.
digestion (anaerobic), methanogenesis 5825.
digestion (anaerobic), methanogenesis, activated sludge, kinetics, mathematical
models 4900.
digestion (anaerobic), methanogenesis, industrial effluents, food industry 8405.
digestion (anaerobic), methanogenesis, inhibition, phenol, aromatic compounds
4860.
            bacteria 5813.
irrigation, agriculture, coxsackievirus B5 seroepidemiology, occupational exposure, man 4096.
irrigation, crop fieldis, soil properties, bacteria, characterization 4924.
irrigation, dispersal, bacteria, airborne microorganisms 1456.
irrigation, microbial pollution, enterovirus, ground water 5852.
isolation, enterovirus, use, mammalian cells, cell lines 4150.
land disposal, reviews, bibliographies 4910.
marine environment, indicator species, inactivation 1499.
methanogenesis, immobilized cells, bacteria, reactors 419.
microorganisms, removal, nutrients, heavy metals 3020.
nutrients removal, nitrogen, phosphorus, wetlands 1481.
oli installations, hydrocarbons biodegradation, sewage microflora 2374.
ozone disinfection 6672.
ponds, chlorine disinfection, fecal coliforms 6671.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               digestion (anaerobic), Methanosarcina barkeri 4123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          digestion (anaerobic), Methanosarcina barkeri 4123, digestion (anaerobic), reviews, bibliographies 4907. digestion (anaerobic), role Eichhornia crassipes 4106. digestion (anaerobic), sulfate removal 4899. 2, 4-dintrotoluene conversion, activated sludge 7493. disinfectants, bacteria, viruses, chlorine, residues 4938. disinfection, pathogens 550. disinfection, reviews, bibliographies 4909. dissolved oxygen, activated sludge, abartoirs effluents 6668. effluents, counting methods, fecal coliforms, media (enrichment), chlorination 1470.
```

enterovirus reduction 6676.

Wastewater treatment, (continued)
films, substrates kinetics, mathematical models, microorganisms 1461,
filters, anearobic conditions, removal kinetics, fecal coliforms, phages 1474,
filters, carbon (activated), microorganisms, organic matter decomposition 2349,
gases odors, deadorization, industries 9248.
hydrocarbons oxidation, role, plasmids, Acinetobacter Iwoffi 7309. immobilized cells, effects on ethanol production, Saccharomyces cerevisiae 3659. indicator species, Bacteroides fragilis, membrane filtration, media (isolation) 4936. indicator species, Salmonella typhi, media (enrichment), membrane filtration indicator species, Salmonella typhi, media (emichinelly, inemotatine literaturi 4935.

irrigation, Escherichia coli, pathogens reduction, solar radiation 9249.

isolates, nitrogen-fixing bacteria, Egypt, Arab Rep. 4647.

isolation, Salmonella typhi, identification, methodology 3332.

pasteurization, solar radiation, heat treatments, water purification, contamination, methodology 3225.

pth, detection, fungal flora, Glycine max seeds 289.

phages detection, Escherichia coli, plaque assay, methodology 2403.

phages edetection, Escherichia coli, plaque assay, methodology 2408.

recovery, fecal coliforms, media (culture), agar 8415.

rivers, exposure, titanium surfaces, microorganisms colonization 3650.

sewage contamination, Salmonella isolation, media (enrichment) methodology 9259.

sorption, Lactarius trivialis, assays 1905.

Streptococcus bovis indicator species, media (isolation), membrane filtration, sodium azide 5054.

U.V. radiation disinfection, Escherichia coli, Candida parapsillosis, phage 12, kinetics models 568.

viruses concentration, filtration methodology 9283.

viruses concentration, filtration methodology 9283.

viruses isolation, absorption, ghosts 6750. gases odors, deodorization, industries 9248. hydrocarbons oxidation, role, plasmids, Acinetobacter Iwoffi 7309. indicator species, water pollution, conferences 2550. industrial effluents, anaerobic conditions, methanogenesis, acid production 9227. industrial effluents, breweries, activated sludge 4091. industrial effluents, breweries, activated sludge 4091. industrial effluents, developed the state of the 4935 viruses isolation, adsorption, ghosts 6750.

Water activity,
association, Aspergillus restrictus, enzymes, production, detection, seeds,
contamination 1156.
effects on mycotoxins biosynthesis, Alternaria alternata, wheat 5371.
effects on spoilage, yeasts, confectionery 8698.
Staphylococcus aureus growth, cheese 6960.
Staphylococcus aureus growth, enterotoxin A formation, canned food, bacon 6979.
Water analysis,
biochemical oxygen demand, pollution monitoring, methodology 6680.
microbial pollution, indicator species, reviews, bibliographies 4945.
microbial pollution, potentiometry, lipoic acid, reduction, fecal coliforms,
indicator species 2392.
Water availability, 4903. lagoons, reviews, bibliographies 4906. lagoons, reviews, bibliographies 4906. lagoons, surival, coliforms, antibiotic resistance 1482. land disposal, public health, reviews, bibliographies 4911. land disposal, sewape, association, pollution 8400. leachates, industrial wastes, land disposal 4920. material models 9228. meat industry, reviews, bibliographies 4912. metal industry, reviews, bibliographies 4912. metal industry, reviews, bibliographies 4912. microorganisms, acute toxicity, chromium, industrial wastes 9229. microorganisms, sinetics, diffusion, models 2346. microorganisms metabolism phosphorus 31, N.M.R. 4092. microorganisms per entachlorophenol, industrial effluents 556. microorganisms, pentachlorophenol, industrial effluents 556. indicator species 2392.

Water availability,
effects on Pseudomonas solanacearum wilt pathogenesis, Arachis hypogaea 249.
role, Malus pumila fruits susceptibility, Venturia inaequalis scab 2797.
vesicular-arbuscular mycorrhizas colonization, Allium cepa growth 3947.

Water chemistry,
estuaries, oil pollution, population levels, hydrocarbon-degrading bacteria 6399.
gramicidin S, acidity, solubility 6577.
Water conductivity,
blue stain, ceratocystis nigracarpa, Basidiomycetes infection effects on, Pinus
ponderosa 8194.
transpiration, vesicular-arbuscular mycorrhizas, Citrus 8216.

Water content. microorganisms role, books 2540.
microorganisms, role, removal, nitrogen, phosphorus 3190.
nitrification, films, bioreactors 4118.
nitrification, modeling, aeration, supports, reactors 6670.
nitrification, Nitrobacter, hydrolysis, urea, effects on 6678.
nitrifying bacteria, inhibition, heavy metals, organic compounds 2353.
nitrogen removal, rotating discs, fertilizers, industrial effluents, Stichococcus bacillars+dentifying bacteria 9236.
nutrient loading, conferences 2549.
oli and gas industry, enzymes, microorganisms 180.
oli and gas industry, enzymes, microorganisms 180.
oli and gas industry, enzymes, microorganisms 180.
oli and gas industry, expess, planting and planting as a single planting as incorporation as a single planting a Water content, /ater content,
Agaricus bisporus, cultivation techniques, harvesting, effects on 8701.
effects on acid production, fermentation, silage, Medicago 2745.
effects on Eurotium amstelodami, Saccharomyces rouxii, spoilage, mathematical
models, apples 8877.
effects on molds food contamination corn, toxins production 2749.
effects on, Nitrosomonas europaea, nitrous oxide, production, soil 7274.
Eucalyptus marginata bark, relationship Phytophthora cinnamomi infection 358.
//ater pollution. Escherichia coli isolation, Brazil 4950. fecal coliforms, rivers, Brazil 7535. indicator species, aquatic microorganisms, reviews, bibliographies 4944. indicator species, Bilidobacterium adolescens, Bilidobacterium breve, isolation, fecas 552. oil and gas industry, use, tar+sand combustion, organic compounds, microorganisms oxidation 3194.

czonation, oxalic caid, acetic acid, nutrient requirements, Spirillum 4121. paints industrial effluents, biodegradation 2380. paper mills, pulp mills, use, biotechnology, reviews 8397. parks, USA, Florida 5845. peat filtration, identification, fungi 7494. phenois extraction, monophenol monooxygenase, Agricus bisporus 5846. phenois removal, oxidative metabolism, activated sludge 5847. pigs animal wastes, anaerobic conditions, methanogenesis 9037. pollutants biodegradation, ozonation 1489. pollutants biodegradation, ozonation 1480. reactors, nitrification, manunolification 2354. reviews expossis membranes, fouling, Mycobacterium cell adhesion kinetics 2383. rotating discs, bibliographies, reviews 4904. rotating discs, bibliographies, reviews 4904. rotating discs, chartification, films ph 2356. rotating discs, intrification, mathematical models 2355. rotating discs, oxygen transfer 2347. rotating discs, oxygen transfer 2347. colonial models 2355. rotating discs, oxygen transfer integrature effects on 1471. sediments, bacteria biodegradation monohalogenated biphenyls water pollution 3882. indicator species, Bifidobacterium adolescens, Bifidobacterium breve, isolation, feces 552.
microbial pollution, bacteria, pathogens, estuaries 6713.
monohalogenated biphenyls, bacteria biodegradation, sediments, aquatic environment, wastewater treatment 3682.
pathogens, water analysis, reviews, bibliographies 4946.
phages, coliforms, indicator species, water quality, sewage treatment 4943. phenols, biodegradation, pollution effects, water pollution 5812.
Salmonella, media (isolation) 5857.
Salmonella, microbial pollution, media (enrichment) 4176.
sewage, aeration, water treatment, sewage 8410.
sewage treatment, phages, coliforms, indicator species, water quality 4943.
viruses, rivers, Japan 6423.
wastewater treatment, indicator species, conferences 2550.
Water potential, association, biodeterioration, forest products, fungi 1242.
effects on sclerotia germination, Selerotium rofisii 6338.
Purunus persica, xylem, phony disease, bacteria 8879.
soil, effects on growth, Gaeumannomyces graminis var. tritici 8986.
soil, respiration, nitrogen fixation, Azolobacter vinelandii 8237.
+ soil temperature, disease control, Gossypium hirsutum, root rot, Phymatotrichum omnivorum 8009.
soil of indicoorganisms respiration association 2149.
Water purification, introgen severation servatoristics association 2149. 3682. silage fermentation effluents 6683. sludges, isolation, Salmonella, indicator species, characterization, USA, Florida 4927.

sturies, nitrate-reducing bacteria, survival, Escherichia coli, Salmonella enterridis 6700.

sturies, nitrate-reducing bacteria, survival, Escherichia coli, Salmonella enterridis 6700.

totalie industry, industrial wastes, reviews, bibliographies 4915.

1,3,5-triazine biodegradation, Pseudomonas 2698.

trickling filters 4901.

trickling filters, activated sludge, industrial effluents, food industry 4111.

tritiated water, nuclear power plants, hydrogenase, immobilized cells, Alcaligenese entrophus 554.

U.Y. radiation, disinfection 2337.

waste water, toxicants, use, bacteria, methodology 8399.

whey, dairy industry, immobilized enzymes, β-D-galactosidase 5830. 4927 Solis (totalin), Sur himself year particular water purification, water, methodology 3225. solar radiation, heat treatments, contamination, pasteurization, water, methodology 3225.

Water quality, bacteria indicator species, abundance, Bivalvia 8424. desalination piants, microbiology, physicochemical properties, bacteria 4942. effects on, enterovirus, concentration, surface water 5853. indicator species, phages, coliforms, water pollution, sewage treatment 4943. odors, actinomycetes, conferences 3387. pollution effects, waste water, canals, indicator species, fecal coliforms 4132. pollution enonitoring methodology, indicator species, Salmonella 5856. rivers, pollution monitoring, indicator species, Clostridium perfringens 5856. saporophytes, bacteria, enumeration, methodology 6755.

Water reclamation, pollution control, indicator species, viruses, Mycobacterium, Pseudomonas aeruginosa, Candidia albicans 2394.

J. recycling, wastewater treatment, water-borne diseases 3224. ultrafiltration, isolation, phages, poliovirus, rotavirus, reovirus 2396.

Mater relations,
Agropyron smithii, Glomus symbiosis effects on 6342. roots. Eucalyptus, Phytophthora cinnamomi infection 5605.

Water resources, coliforms indicator species incidences, Iraq 2407. Jalan, air conditioning, bacteria films, industries 5849. 
baths, measuring techniques, heat production, adiabatic fermentation 5271. 
Campylobacter, thermophilic bacteria, media (enrichment), isolation 6754. 
+-centizoxime, antibacterial activity, disc-diffusion test 4046. 
concentration, phaages, membrane filtration, chromatography, measuring techniques, methodology 8850. 
coniamination, pasteurization, solar radiation, heat treatments, water 
purification, methodology 3225. 
Escherichia coli detection, enterotoxins genes probes, DNA hybridization analysis 
1087.

Water, (continued)

fecal coliforms, recreation sites, membrane filtration, detection 8418. hot, disease control, papaya post-harvest decay, fungi 5469

Water salinity,

irrigation effects on vesicular-arbuscular mycorrhizas vertical distribution, Citrus 1255.

Water stratification

Samplers, bacterioplankton, marine environment 1611.

Water stress,
Betula alba, Botryosphaeria dothidea, hyphae, morphology 4614.

effects on Cyamopsis tetragonoloba nitrogen fixation, nitrogenase activity, nodulation 4670.

pathogenicity, Ceratocystis penicillata, Ceratocystis polonica, blue stain, Picea abies 8173.

abies 8173.

Water aupplies,
contamination, Legionella pneumophila isolation methodology, media (culture),
guinea-pigs injection 4211.

environmental situdies, epidemiology, Legionnaire's disease, hospitals, man 9251.
hospitals, disease transmission, Legionella pneumophila, Legionnaire's disease,
Legionella miodadei, Pittsburgh pneumonia agent 5854.
hospitals, isolation, Legionella pneumophila 4931.
hospitals, Legionnaire's disease, epidemiology, British Isles, man 3215.
Legionella pneumophila, disease transmission, epidemiology 3214.
Legionella pneumophila, tegionellosis, epidemiology, Sweden 3216.
Legionella pneumophila, Legionnaire's disease, epidemiology, plasmids 4949.
sanitation, association, disease control, diarrhea, Shigella, man 7529.
water-borne diseases, Legionnaire's disease, Italy 4940.

contamination, Legionella pneumophila, role, epidemiology, nosocomial infection, Legionnaire's disease, USA, Pennsylvania 7528.

Water temperature,

immersion, effects on roots, ectomycorrhizas colonization, disease control, Phytophthora cinnamomi, seedlings, Pinus radiata 7219. indicator species, bacteria, rivers, estuaries 4131. relationship, coliforms indicator species, identification, incidence, lakes 557.

reliationship, conisorms indicator species, identification, incidence, lakes 557. Water treatment, biodegradation-t-carbon (activated) adsorption 7498. biodegradation, carbon (activated) adsorption, aromatic compounds removal 7502. carbon (activated) adsorption, interaction biodegradation, microorganisms 7646. carbon (activated), adsorption, regeneration, bacteria 7496. chlorination, reduction, trihalomethanes, association, viruses, bacteria, levels 3206.

7497

Water use, recycling, wastewater treatment, water-borne diseases 3224. Water-borne diseases, Campylobacter fetus subsp.jejuni recovery, filters, analysis 563. dirinking water, reviews, bibliographies 4947. Legionella, epidemiology, buildings 4933. rotavirus (simian) SA11 survival, drinking water 7538. water supplies, Legionnaire's disease, Italy 4940. water use, recycling, water reclamation, wastewater treatment 3224. Watermark disease, Erwinia salicis, disease transmission, propagules, Salix alba 363. Waternedon mosalc virus, disease transmission, foliar application, oils, Cucurbita pepo, Myzus persicae 6277.

6277.

effects on chemical composition, fruits, Cucurbita maxima 6257.

effects on Meloidogyne javanica infection, Cucurbita pepo 6266.

incidence, Cucumis sativus, mulches, effects on 4585.

plant diseases, Cucumis sativus, Lagenaria siceraria, host range, disease transmission, Morocco 6270.

Watermelon mosale virus 1,

comparison, papaya ringspot virus, host range, Cucumis 8039.

Watermelon mosale virus 2,

Bernisia tabaci, disease transmission, epidemiology, Cucumis melo, Cucurbita pepo, USA California 3821. USA, California 3821

Waxes, Legionella pneumophila demonstration, hexamine silver use 3289 production, Candida tropicalis 5239.

Washer, epidemiology, Collebtrichum graminicola anthracnose, Poa annua var.reptans 5429. projections, crops, plant diseases 1098.

Weathering,

microorganisms, biogeochemistry, reviews 8210
Web blight,
Rhizoctonia microsclerotia, Phaseolus vulgaris genotypes, disease resistance

Weed control

Véed control, Colletotrichum gloeosporioides spores production, fermenters, Aeschynomene virginica 3895. biological control, conferences, books 4249. biological control, conferences, books 4249. biological control, cost-benefit analysis 3888. biological control, cost-benefit analysis 3888. biological control, bespetatogen interactions, Acremonium zonatum penetration, leaves, Eichhornia crassipies 8827. biological control, pathogens 3889. biological control, relationship epidemics, plant diseases 3890. biological control, relationship genetic variance, weeds 3892. biological control, relationship finest-pathogen interactions 3891. biological control, relationship in violence, genetic variance, phytopathogenic fungi 3893. biological control, relationship, virulence, genetic variance, phytopathogenic fungi 3893.

biological control, research programs, commercial species, microorganisms 3896. biological control, safety regulations, pathogens 3897. biological control, use Phytophthora palmivora, pathogenicity. Morrenia odorata 2809.

Zardus nutans, susceptibility, Puccinia carduorum biological control 6073.
Carduus nutans, susceptibility, Puccinia carduorum biological control 6074.
Washington 6074.
Chondrilla juncea, Puccinia chondrillina biological control 6075.
integrated control, pathogens 3898.

Geds, biological control, cost-benefit analysis 3888. biological control, fungi, efficacy surveys 8650. biological control, fungi, efficacy surveys 8650. Glycine max 8770. disease reservoirs, Fusarium oxysporum, bilght, Glycine max 8770. genetic variance, relationship biological control, weed control 3892. hosts, tobacco nngspot virus, tomato nngspot virus, 3818. Macrophomina phaseolina latent infection, sclerotia soil levels, USA, Arizona 8044.

vesicular-arbuscular mycorrhizas symbiosis, association, habitat disturbance, USA, Utah 396

Wells, Pseudomonas aureofaciens contamination, hydrocarbons, metabolism 1497. West Indies,

West Indies,
Staphylococcus aureus, clinical isolates, antibiotic resistance 5707.

West Nile virus,
antigens, detection, agglutination, protein A 4991.
sercepidemiology, hemolysis, detection antibodies, man 4996.
Western X disease,
mycoplasma-like organisms, disease spread, Prunus virginiana, Prunus americana
2002.

Watlands

Oryza sativa soil, nitrogen cycle 3965. waste water, nutrients removal, nitrogen, phosphorus 1481.

bacteria, association Scolytus ventralis attack, Abies 5585. population levels, Enterobacter, Clostridium, Populus euramericana 8953.

Wheat,

Wheat, fermentation, Aspergillus niger, amylo-1,6-glucosidase, recovery 204, flour, food processing, effects on vomitoxin levels 7890, food contamination, mycotoxins 7098. fungi mycelia penetration 1080. Fusarium zearalenone incident 1079. incidence, vomitoxin, zearalenone, aflatoxin B1, T-2 toxin 1927. mycotoxins biosynthesis, Alternaria alternata, water activity, temperature effects on 5371. Wheat mosaic virus, disease resistance plant breeding screening projects, seedlings. Triticum disease resistance plant breeding screening projects, seedlings. Triticum

disease resistance plant breeding screening projects, seedlings, Triticum aestivum 4574.

Wheat streak mosaic virus,

riset streak mosaic virus, infection, Agropyron, disease resistance, genetic control 8089. infection, etiology, incidence, Triticum cultivars, USA, Colorado 7980, streak, disease control, role, resistance association Eriophyes tulipae, Triticum aestivum 8075.

3206.
activity, removal, surface water, Netherlands 4953.
fluoridation, dental caries prophylaxis, children 7552.
ground water, carbon (activated) adsorption, + biodegradation 7499.
phenol removal, carbon (activated) adsorption, biodegradation, Arthrobacter 7500.
sewage biodegradation water pollution, aeration, streams 8410.
thialomethanes removal, ozone+carbon (activated) + biodegradation, microorganisms (gestion (anaerobic), reactors, methane production to conversion, production, acotone, butanol, Clostridium acetob conversion, production, acotone, butanol, Clostridium acetob comments. cheese, digestion (anaerobic), reactors, methane production 3197. conversion, production, acetone, butanol, Clostridium acetobulyilcum 4381. +corn fermentation, production, ethanol, proteins feeds 962. dairy industry, wastewater treatment, immobilized enzymes, β-D-galactosidase 5830.

dairy starters, characterization, Kluyveromyces fragilis 3717. fermentation, cyanocobalamin, production, Propionibacterium, Propionibacterium, shermanii 145. fermentation, ethanol, Kluyveromyces fragilis, immobilized cells 2684, fermentation, ethanol production, continuous culture, Kluyveromyces fragilis

3604

fermentation, gibberellic acid biosynthesis, Fusarium moniliforme, mathematical models 5970.

models 5970. fermentation, production, butanol, acetone, Clostridium acetobutylicum 3546, fermentation, single-cell protein, amino acid composition, yeasts 1722. fermentation, single-cell protein production 1718. fermentation, single-cell protein production, Kluyveromyces fragilis 1723, fermentation, single-cell protein production, nutritive value, conferences 2544. fermentation, single-cell protein production, yeasts 1717. fermentation, single-cell protein production, yeasts 1742. fermentation, single-cell protein production, yeasts 3420. fermentation, single-cell protein, yeasts 1720. fermentation, 2,3-butylene glycol production, Klebsiella pneumoniae, Enterobacter aerogenes 2643.

+ Lactobacillus plantarum inoculation, silage, crop residues, Gossypium hirsutum 2743.

+ Lactopaciius piamarum inocuiation, siage, crop residues, dossypium nirsi 2743. 
lactose, fermentation, continuous culture, catabolite repression resistance mutants, Saccharomyces cerevisiae 8668. 
lactose, fermentation, ethanol preduction, immobilized cells, Kluyveromyces marxianus, Saccharomyces cerevisiae 1864. 
lactose hydrolysis, 5-D-galactosidase, immobilized enzymes, Aspergillus oryzae 206. 
Einde production Aspergillus nidulans. Penicillium

oryzae 206.
nutrient sources, lipids production, Aspergillus nidulans, Penicillium frequentans, Fusarium lycopersicum 7788. permeate, fermentation, Kluyveromyces marxianus, ethanol production 8669, recycling methodology, pathogens propagation, biological control, Insecta, Bacillus thurngiersis, 8-toxin 6899. stimulation proteinase, extracellular enzymes, Pseudomonas aeruginosa 1810. substrates, Kluyveromyces fragilis, biomass, association, ethanol production, aerobic conditions 1069.

sucrose liquid culture, Leuconostoc mesenteroides use production 8474.

+ sucrose inquir currure, Leuconosioc mesenterorides use production 04/4.

Whisky,
ethanol, fermentation, models 176.

White clover mosalic virus,
enzyme-linked immunosorbent assay detection 7927.
infection, Trifolium, host range, field trials 1113.
infection, Trifolium pratense, nitrogen fixation, Rhizobium symbiosis 7141.
white model.

Sclerotinia sclerotiorum, canopies effects on disease control, Phaseolus vulgaris 7930.

White rot, Ables alba, spatial distribution, annual rhythms, Collybia butyracea, Collybia maculata 4616.

meculata 4616.
Allium, iprodione resistance, Sclerotium cepivorum 6312.
Allium, pesticide resistance, Sclerotium cepivorum, iprodione, vinclozolin, dincozolin, diocioran, quintozene 5529.
decay fungi, vanilitic acid, syringie acid, metabolism, association, lignin, biodegradation 2705.
Fornes annosus, lignocelluloses biodegradation 5309.
fungi, biodegradation, Triticum aestivum lignocelluloses 6943.
fungi, defirtus effects on pathogenesis, Cynodon dactylon, Eremochloa ophiuroides, Poa pratensis, Stenetaphrum secundatum 8785.

White rot, (continued)
fungi, wood, manganese bioaccumulation 7240.
lignin biodegradation, lignocelluloses fermentation, optimization, straw,
Triticum aestrum 1887. Sclerotium cepivorum, disease resistance, Allium cepa, Allium porrum, screening

projects 3866. Scierotium cepivorum, plants, host range 1156.

White rust,
Albugo candida disease resistance, association inheritance Ac7 locus, Brassica Anougo carnida insease resistance, associatavir internative of the napus 2854.
Chrysarthemum, epidemiology, Puccinia horiana, Australia 2024.
Raphanus sativus, disease control, mancozeb 2902.
Widat test,
diagnosis, typhoid fever 2479.
Wildfire.

Pseudomonas syringae tabaci, disease resistance, inheritance, plant breeding, callus culture, Nicotiana tabacum 317.

Coratocystis fagacearum, aerial photography surveys, Quercus, USA, Texas 8189. Ceratocystis fagacearum, pathogenesis, Quercus laevis, USA, South Carolina 2115. Ceratocystis fagacearum, survival, wood, storage conditions, Quercus 8956. Ceratocystis finbriata, disease control, disease resistance rootstocks, pruning, Brazil, Mangifera indica 5440. Wilt

Brazil, Mangifera indica 5440.

Cicer arietnum, epidemiotogy, Verticillium albo-atrum, Pakistan 1117.

Fusanium, disease resistance, Solanum tuberosum 1146.

Fusanium, Heloidogyne infection, disease resistance, plant breeding, Lycopersicon esculentum 2884.

Fusanium oysporum, biological control, suppression, Pseudomonas putida, survival, soll moisture, Linum usitatissimum 2897.

Fusanium oysporum, disease resistance, plant breeding, cultivars, Citrullus landus 8905.

Tusarium oxysporum f.sp.ciceris, disease resistance, gene regulation, Cicer arietinum 3887. Fusarium oxysporum f.sp.ciceris, disease resistance inheritance, Cicer arietinum

296 Fusarium oxysporum f.sp.elaeidis, disease resistance, plant breeding, Elaeis guineensis 2871.

sarium oxysporum f.sp.lycopersici, Lycopersicon esculentum, factors affecting Fus

5455

Fusanium oxysporum f.sp.njcopersici, Lycopersicon escuentium, taculus anecung 5455.
Fusarium oxysporum f.sp.niiveum, disease resistance, agricultural practices, Citrulius lanatus 2848.
Fusanium oxysporum f.sp.pis, Pisum varieties, field trials 1979.
Fusanium oxysporum f.sp.vasinfectum, disease resistance, terpenoids, roots exudates, Gossypium hirsutum 6883.
Fusanium oxysporum f.sp.vasinfectum, interspecific relationships, Meloidogyne incognita, soil nutrients uptake, Gossypium barbadense 283.
Fusanium, Solanium khasianium 1161.
gram-negative bacteria, colonial characteristics, pathogenicity, Catharanthus roseus, Vitti vinifera 280.
Humulus lupulus, pathogenicity, Verticillium albo-atrum 5459.
Medicago sativa, disease resistance, Corynebacterium insidiosum, effects on phosphorus uptake 3879.
Fusum sativum, Fusanium oxysporum f.sp.pisi incidence 241.
Pseudomonas solanacearum, Arachis hypogaea, soil, water availability, effects on pathogenesis 249.
Pseudomonas solanacearum, disease resistance, cross-resistance, Meloidogyne, Solanum sparsipium 8097.

Solanum sparsipilum 8097.
Pseudomonas solanacearum, disease resistance, germplasm, Solanum sucrense,

Pseudomonas solanacearum, disease resistance, germplasm, Solanum sucrense, Solanum tuberosum 8090. Pseudomonas solanacearum, disease resistance, plant breeding, Capsicum annuum, Capsicum frutescens 8094. Pseudomonas solanacearum, host range, crops 7177. Quercus, Ceratocysts fagacearum, epidemiology, USA, West Virginia 1236. Sclerotian solarotocysts fagacearum, epidemiology, USA, West Virginia 1236. Sclerotian solarotocysts fagacearum, epidemiology, USA, West Virginia 1236. Sclerotium offisii, Eucalyptus, incidence, greenhouses 8942. Verticillium albo-atrum, Corynebacterium michiganense pv.insdiosum, hydroxyproline content, cell walls, association, Medicago sativa 7928. Verticillium albo-atrum, vesicular-arbuscular mycormizas inoculation effects on, Lycopersicon esculentum 1205. Verticillium dahliae, Gossyplum barbadense, phyloalexins accumulation association 2824.

Verticillium dahliae, Lycopersicon esculentum, disease resistance, plant breeding

cillium dahliae, Lycopersicon esculentum, epidemiology, USA, North Carolina

Verticilium dahlae, Lycopersicon esculentum, epidemiology, USA, North Caroli 5456.
Verticilium dahlae, Lycopersicon esculentum predisposing factors, potassium, phosphorus 3833.
Verticilium dahlae, synergism, Erwinia carotovora subsp. arrotovora, Diackleg, Solanum tuberosum 7191.
Verticilium, disease resistance, plant breeding, cultivars, Lycopersicon esculentum 1178.
Verticilium, Gassyljum hirsutum, cellulose conversion, glucose production, cellulase 3683.

rticillium, Rhizobium meliloti growth, Medicago sativa, fungicides effects on

Xanthomonas campestris pv.graminis, Gramineae, incidence, British Isles 4521.

Wilting, effects on, lactic acid bacteria acid production, silage fermentation, Zea mays 7873.

antibacterial activity 9091. Wind,

dispersal, phytopathogenic fungi spores, modelling, crop fields, Hordeum vulgare 5403.

Pseudocercosporella herpotrichoides, spores dispersal, eyespot, straw, Triticum aestivum 1997.

Wine,

/Ine, aroma, role, Botrytis cinerea esterase activity 4410. association yeasts growth, ammonium phosphate, vitamins, effects on 7869. 2,3-butanedione levels, malolactic fermentation, Leuconostoco eonos 2693. corks contamination, off flavor, Streptomyces, Aspergillus, Penicillium 1870. fermentation, ethanol, yeasts, lactic acid bacteria 5279. fermentation, grapes post-harvest decay effects on, fungi 6939. fermentation, role, Lactobacillus delbrueckii, malic acid, genes, cloning,

Wine, (continued)

Vine, (continued)
Escherichia coli, Saccharomyces cerevisiae 2681.
fermentation, Saccharomyces cerevisiae, nontarget organisms, toxicity, herbicides, insecticides, fungicides 2082.
fermentation, Saccharomyces ellipsoideus, relationship, Vitis vinifera content, carbon, hydrogen, nitrogen 7793.
fermentation, storage, acetic acid bacteria succession 6134.
malolactic fermentation, immobilized cells, Leuconostoc cenos 165.
malolactic fermentation, leuconostoc cenos, viability 6125.
malolactic fermentation, malic acid, tartaric acid, levels, moring 8665.
malolactic fermentation, malic acid, tartaric acid, levels, moring 8657.
organic compounds, acids, effects on fermentation, microorganisms 8672.
organic properties elementation, composition, L-tartaric acid, L-malic acid, Botrylis cinerea 8666.
organiciptic evaluation, musts malolactic fermentation, Leuconostoc cenos 2692.
organiciptic evaluation, musts malolactic fermentation, Leuconostoc cenos 2692.
pectinolytic enzymes, microorganisms 164tic acid bacteria, acetic acid bacteria, acetic acid

Phoenix dactylifera, fermentation, yeasts, lactic acid bacteria, acetic acid bacteria 5288.

production, fathy acids by-products, inhibition, fermentation, yeasts 5286.

production, lactic acid bacteria malolactic fermentation, reviews 173.

production, musts, fermentation, aroma compounds, organoleptic evaluation, Schizosaccharomyces acidodevoratus 6933.

quality, association, Vitis powdery mildew, Uncinula neator, USA, New York 8833. starter cultures, malolactic fermentation, drying, storage, viability, Leuconostoc cenos 7816.

taints production, corks, contamination, growth, Fungi 7798.

Wissadula periplocifolia, little leaf etiology, rickettsia-like organisms, mycoplasma-like organisms, Jamaica, new records 2046.

Ittle leaf rickettsia-like organisms, mycoplasma-like organisms, disease transmission, treatment, Jamaica 2047.

Wolnella succinogenes, menaquinone, thermoplasmaquinone, spectrometry, N.M.P. 6894.

Wood,

biodegradation, Dacrymycetales 1891. biodegradation, energy resources, batch culture, microorganisms, digestion (anaerobic) 3655.

(anaerooic) 3655.
biodegradation, microorganisms, reviews 4436.
biodeferioration, Coniophora puteana, Aspergillus tamarii, fungicides, prophylaxis 1252.
biodeferioration, role, actinomycetes 1246.

Carbinydrates, pulp mills, fermentation, solvents production, Clostridium 5259. carvings, fungi, biodelerioration, anthropology 1023. Cassia garrettiana, extracts, 3,3',4,5'-lerhydroxystitibene, antifungal activity, structure-activity relationships, Penicillium citrinum, Rhizopus

nigricans 7384

decay, brown rot, Coniophora cerebella, Poria vaporaria, Gloeophyllum abietinum, Pinus 8947.

Pillus 5947.

decay fungi, Basidiomycetes, storage, Salix nigra, Populus deltoides 8197.
decay, fungi chitin biosynthesis, polyoxin effects on 3647.
decay fungi, methodology, preservatives tolerance 2108.
decay fungi, polar environments 3920.
decay, nutrition, Klebsiella pneumoniae 4423.
decay, relationship cellulolytic microorganisms ecological distribution, coastal waters 8196

decay, relationship cellulolytic microorganisms ecological distribution, coastal waters 810-9, acternal, Pinus silvestris, Fagus silvatica 7239.
decomposition, soil microorganisms, urea fertilization effects on, forests 5578, dry rot, Serpula lacrymans, biodetenoration, Switzerland 1247. forests, littler, biodegradation, microorganisms 5537. fungi biodegradation, metals bioaccumulation 1030. fungi hyphae, staining methodology 7831, hydrolysates, acids pretreatment, fermentation, 2,3-butanediol, butanol, production, Clostridium acetobutylicum, Klebsiella pneumoniae 5220. hydrolysates, hydrogen fluoride pretreatment, ethanol production, fermentation, 2ymomonas mobilis, Clostridium saccharolyticum 5270. hydrolysis, cellulopitic enzymes, mathematical models, Populus 5339. hydrolysis, enzymes, acids, sugars fermentation, ethanol production 7814. incoulation, fruit bodies production, Basidiomyetes 7846. ligini, Stereum frustulosum, enzymes, biodegradation 1022. iitter fall, decomposition, forests, Fagus sylvatica, Quercus petraea, British Isles 352.

Isles 352

Isles 352.

manganese bioaccumulation, fungi white rot 7240.

Massarina aquatica Infection, antagonism, fungi 2110.
microorganisms biodegradation, books 1683.
nitrogen, effects on, fungi, biodegradation, soil 1244.
Pinus caribaea var. hondurensis, blue stain, disease control 6331.
Pinus densifiora, antifungal agents, disease resistance, Formes annosus 354.
Pinus radiata, hydrolysis, Saccharomyces cerevisiae, fermentation, inhibitors 7807.

Populus trenuloides, hydrogen fluoride hydrolysis, sugars utilization, 2,3-butanediol production, Klebsiella pneumoniae 8632. preservatives 1291.

preservatives 1291.
preservatives, copper-chrome-arsenic, chemical analysis, iodometry 7244.
preservatives, diffusion, toxicity, fungi 1251.
preservatives, pertachiorophenol, industrial effluents, wastewater treatment 556.
preservatives, pentachiorophenol, inhibition decay fungi, buildings 7242.
processing, molds air spora levels 8195.
Cuercus, storage conditions, survival, with, Ceratocystis fagacearum 8956.
soft rot, biodegradation, Phialophora hoffmannii, cinemicrography 1245.
Woodchuck hepatitis virus,
radioimmunoassay, solid phase methods 597.
Wool,

7807

Wool, biodeterioration, control, biocides, fungi 1288. industrial wastes, agricultural wastes, temperature, aeration, composting 4100. microorganisms biodegradation, books 1683.

Preservatives 1291.
Pseudomonas isolation, proteinase, electrophoretic mobility, sheep 1753. textile industry, industrial wastes, composting 5837.

addition, beer fermentation, flavor, yeasts 2691. fermentation, acetic acid esters production, Saccharomyces uvarum 4420. fermentation, acetyl-CoA levels, acetic acid esters production, Saccharomyces cerevisiae 4416.

termentation, beer brewing, yeasts 984. fermentation, ethanol production,  $\alpha$ -D-glucosidase activity 5287.

Wort, (continued)

entation, phenyl carbonic acids production, temperature effects on, flavor,

Deer 2052.
fermentation, Saccharomyces cerevisiae, mezcal 1862.
high-gravity, fermentation, ethanol production, Saccharomyces uvarum 8667.
methionine sulfoxide inhibition, dimethyl sulfoxide reductase, Saccharomyces cerevisiae 6941 Wound Infection,

burla imediant, bacteria inhibition decay fungi, Picea abies 7238. Botryosphaeria dothidea, Botryosphaeria ribis, disease control, benomyl+captan, pruning, Prunus persica 8913. Cytospora, dieback, pruning, Prunus persica 8805.

oynovicia graminis, infection, Triticum durum, Italy 7956.

X-Ray absorption spectroscopy, structure, olivoretin D, olivoretin A, Streptoverticillium olivoreticuli 7476.

X-Ray crystaliography, D-alanyl-carboxypeptidase, ranspeptidase, β-lactam antibiotics binding, Streptomyces 3457.

antibiotic FR-900109, derivatives 1434.

antibiotic FR-900109, derivatives 1434.

9-O-p-bromoberagitive bacteria 1442.

9-O-p-p-bromoberagitive 1442.

9-O-p-bromoberagitive 1442.

9-O-p-p-bromoberagitive 1442.

9-O-p-bromoberagitive 1442.

9-O-p-p-bro

X-Ray diffraction,
alamethicin, hypelcin conformation 3140.
auromomycin, macromomycin structure, Streptomyces macromomyceticus 6558.
crystal structure, DNA-binding protein, Bacillius stearothermophilus 7663.
crystal structure, Dseoboxin B, Trichotheclium roseum 8755.
20B-hydroxysteroid dehydrogenase, crystallography, Streptomyces hydrogenans
6834.

ribosomal protein L5, crystal structure, Bacillus stearothermophilus 7662. ribosomal protein L6, crystal structure, Bacillus stearothermophilus 7662. ribosomal protein L6, crystal protein L6, crystal protein L7, crystal protei casei 4323

trichorzianine A1, Trichoderma harzianum 1727.

X-Ray scattering, incrocerma nazianum 1727.
X-Ray scattering, increase interaction, magnesium, manganese, phosphate ligands, yeasts 3467.
xanthamonase cucurbtae, xanthan gum biosynthesis 3536.

Xanthan,

structure, Xanthomonas campestris 1829.

structure, Xanthomonas campestris 1829.
Xanthan gum, Xanthamonas cucurbitae 3536.
Xanthine oxidase,
Aspergillus niger, association, Caldariomyces fumago, chloride peroxidase, use, bioelectrochemical cell, chemicals synthesis 6076.
hypoxanthine, inhibition, milk, dairy starters 7863.
Xanthobacter autotrophicus, fermentation enzymes comparison, Alcaligenes, Nocardia opaca 150.

fermentation enzymes comparison, Alcaligenes, Nocardia opaca 150. Xanthomonas, cephalexin amidase preparation 6823. plant diseases, diagnosis 3780. variants, pathogenesis, plant diseases 3772. Xanthomonas albilineans, scald, Saccharum officinale, chloroplasts differentiation 253. Xanthomonas campestris, camplase, heat inactivation, ultrahigh temperature sterilization, dairy products 6974. Spot disease resistance, plant breeding. Capsicum annuum 8903.

α-amyliase, heat inactivation, ultrahigh temperature sterilization, dairy products 6974. spot, disease resistance, plant breeding, Capsicum annuum 8903. xanthan, structure 1829. Xanthomonas campestris pv.campestris, black rot, Cruciferae, epidemiology, Thailand 287. Isolation, Brassica seeds, media (selective) 4199. Xanthomonas campestris pv.graminis, witl, Gramineae, incidence, British 1sles 4521. Xanthomonas campestris pv.hyacinthi, yellows, Scilla tubergeniana 2042. Xanthomonas campestris pv.hyacinthi, yellows, Scilla tubergeniana 2042. Xanthomonas campestris pv.marvacearum, blight, disease control, β-lactam antibiotica, Gossypium hirsutum 6315. blight, disease control, β-lactam antibiotica, Gossypium hirsutum 2832. blight, host-pathogen interactions, disease control, plant breeding, Gossypium hirsutum 3846. blight, pathogenicity, plants 7923. Xanthomonas campestris pv.marvacearum, bright, disease resistance, plant breeding, cultivars, Manihot esculenta 5497. Xanthomonas campestris pv.nyczee, blight disease resistance, plant breeding, cultivars, Manihot esculenta 5497. Xanthomonas campestris pv.poruse, laeves, electron microscopy 6243. hypersensitive response, Vigna unguicultate leaves 6230. Xanthomonas campestris pv.populi, necrosis, bark, Populus 817. Xanthomonas campestris pv.populi, necrosis, bark, Populus 817. Vinni, Lamthomonas campestris pv.populi, toxicity, detection, bioassays, association, membrane potential, Prunus persica, celi culture 9156. Xanthomonas campestris pv.posicatoria, speck, disease resistance, plant breeding, cultivars. Lynopersicon. 2820.

ceii culture 9156.
Anthomonas campeatris pv.vesicatoria,
speck, disease resistance, plant breeding, cultivars, Lycopersicon 2829.
spot, Capsicum annuum, chlorosis, ethylene production 4546.
spot, Capsicum chacconese, disease resistance 4582.
spot, effects on yield, fruits, Lycopersicon esculentum 277.

Xanthomonas campestris pv. vignicola,
blight, nicolences, Vigna unguiculata 8891.
blight, nicolences, Vigna unguiculata 8891.
blight, nicolences, Vigna unguiculata 6231.
Xanthomonas campestris var.oryzae,
leaf blight, disease resistance, mutagenesis, Oryza sativa 5475.
Xanthomonas campestris var.phaseoli,
leaves lesions, Phaseolius vulgaris, hydrogen fluoride effects on 7133.
Xanthomonas campestris var.prunl,
infection, Prunus domestica, scanning electron microscopy 7158.
Xanthomonas malvacearum,
blight, disease resistance, genotypes. Gossypium arboreum 8059.
pectinolytic enzymes, activity, cell culture 3516.
Xanthosomas agglittfolium,
root rot, etiology, pathogenesis, Pythium myriotylum 8844.
Xenoblotics,

endolorics, binding, humus, soil microorganisms association 1258. biodegradation, bacteria, inhibition, aquatic microorganisms 8687. biodegradation, bacteria, reviews 1011. biodegradation, bacteria, reviews 1012.

biodegradation, waste water 4426, industrial wastes, biodegradation, baster water 426, industrial wastes, biodegradation, bacteria 8393. Xerocomus badius, freezing effects on aroma, Tricheloma equestre, freezing effects on aroma 7856. Xerophillic fungi, onut 5344

Alprinema, vectors, tomato ringspot virus, stem pitting, Prunus persica 8811.

Xiphinema californicum, role, disease transmission, tomato ringspot virus, Prunus 4529.

Xiphinema diversicaudatum, disease transmission, strawberry latent ringspot virus, arabis mosaic virus, disease transmission, strawberry latent ringspot virus, arabis mosaic virus,

plants 6272. Xiphinema index,

vectors, grapevine fanleaf virus detection, enzyme-linked immunosorbent assay methodology 3255.

conversion, triglycerides, yeasts 4402. hydrolysis, cellulolytic enzymes, Chaetomium cellulolyticum 1752. hydrolysis, endo-1,3-B-D-xylanase, Cellulomonas 2566. utilization, rutirition, Klebsella pneumoniae, wood decay 4423.

utilization, nutrinor, Kiebsiella pneumoniae, wood decay 4423. 1,4-5-D-Xylanase, biosynthesis, cyclic AMP regulation, Bacillus circulans 6036. Xylem, Medicago sativa, Verticillium albo-atrum infection pathogenesis 1118. Prunus persica, water potential, phony disease, bacteria 8879.

Xylene, biodegradation, plasmids, genetic analysis, reviews, hydrocarbon-degrading bacteria 8284. preservatives, Bacillus thuringiensis formulations, biological control, Choristoneura fumiferana 2667.

Xylla torreana, 
nodulation, Rhizobium 4667. 
Xyloboius frustrulatus, 
blodegradation, Quercus rubra, Quercus alba, cellulose, lignin 3674.

association, enhancement, growth, ethanol, fermentation, Pachysolen tannophilus, mutants 6144.

mutants 6144.

saccharolyticum, Zymomonas anaerobia 8661.

conversion, ethanol production, production, mixed culture, Clostridium saccharolyticum, Zymomonas anaerobia 8661.

conversion, ethanol production, Pachysolen tannophilus, Candida tropicalis 3657.

conversion, yeasts, fermentation, books 2539.

conversion, 2,3-butanediol production, Klebsella oxytoca 5262.

fermentation, Candida utilis, anaerobic conditions, effects on ethanol production

991

991.
fermentation, ethanol production, fungi, Fusarium oxysporum 9344.
fermentation, ethanol production, Pachysolen tannophilus 171.
fermentation, ethanol production, Pachysolen tannophilus 3596.
fermentation, ethanol production, Pachysolen tannophilus 5281.
fermentation, ethanol production, Pachysolen tannophilus companison Pichia
stipitis 6136.

stipitis 6136. fermentation, ethanol production, Pachysolen tannophilus, trifluoroacetic acid hydrolysis, hemicelluloses, straw, Triticum aestivum 8657. fermentation, ethanol production, Schicosacchiaromyces pombe 5294. fermentation, ethanol production, yeasts 5285. fermentation, 2,3-butanediol production, Bacillus polymyxa 5223. metabolism, ignocelluloses conversion, Candida 3651. utilization, bacteria, fungi, yeasts 3594.

D-Xylose, hemicelluloses hydrolysates, fermentation, ethanol production, yeasts 6935.

hemicelluloses hydrohysates, learnermation, entail of production, yeasts 9533.

Yifose Isomerase,
Bacillus coagulans, immobilized enzymes, starch processing 111.

extracellular enzymes, characterization, Chainia 7742.

extracellular enzymes, production, Chainia 91.

gene expression, Saccharomyces cerevisiae, promoters, Escherichia coll 5157.

genes, Escherichia coli, cloning, use, ethanol, fermentation 983.

immobilization methodology, Streptemyces diviocinereus 5170.

Immobilized enzymes, glucose isomerization, high-fructose com syrup production

5145. immobilized enzymes, kinetics, Streptomyces phaeochromogenes 70. production, batch culture, continuous culture, Arthrobacter globiformis 6870. production, Streptomyces 5167. purification, characterization, Flavobacterium arborescens 6850. reviews, biotechnology, bacheria 2597. Streptomyces flavogriseus production, hemicelluloses hydrolysis, sodium hydroxide, bagasse, Lolium 5186. Streptomyces roseofulus, activity, immobilized cells 71.

Xylosyl, acceptors, cellobiose, endo-1,4-β-D-xylanase, Cryptococcus albidus 3671.

Acceptors, cellourises, ento-1,-5-9-xylatasus organization 983.

—Xyllulokinase,
genes, Escherichia coli, cloring, use, ethanol, fermentation 983.

—Xyllulose,
conversion, ethanol production, feedback inhibition, Schizosaccharomyces pombe
3644.

conversion, ethanol production, Saccharomyces cerevisiae 3643, fermentation, ethanol feedback inhibition, Schizosaccharomyces pombe 3589.

D-Xylulose, (continued)
production, Gluconobacter suboxydans immobilized cells, D-arabitol conversion
949. Yarrowia lipolytica,
2-hydroxyglutamic acid production 2560.
petroleum fermentation, single-cell protein production 5960. Yeasts. seats, agar, isolation, fruits 9331, alcohol dehydrogenase, electrophoresis, ethanol contamination 7687, alcohol dehydrogenase, heavy metals inhibition, mechanisms, pH effects on 7686, alcohol dehydrogenase, immobilized enzymes 1768, alcohol dehydrogenase, immobilized enzymes, stability 4351, arminoacyl-HRNA synthetase, sedimentation 1601, arminoacyl-HRNA synthetase, sedimentation 1601, arminoacyl-HRNA synthetase, sedimentation 1601, armitolicis production, association 5546, artibiotics production, association, association of the stability of t 9169 9169.
antifungal activity, cyclosporin A 8312.
antifungal activity, essential oils, spices 8318.
antifungal activity, Streptoverticillium rimofaciens mildiomycin D 8373.
batch culture, ethanol production, growth, noise filters, computer applications Data i canute, canution and addition. 3630.

beer fermentation, antifoam agents effects on yeasts bitterness compounds formation 3587. formation 3587.

beer fermentation, wort addition, flavor 2691.

beer fermentation, wort addition, flavor 2691.

beers, le-methy-3-oxobutyric acid reduction, α-methyl β-hydroxy esters biosymbasis 3560.

biochemical characteristics, cryopreservation, nitrogen (liquid) 6789.

biochemical characteristics, cryopreservation, reviews 7823.

biochemical characteristics, cryopreservation, reviews 7823.

biomass, association, hydrocarbons, reviews 8276.

biomass, association, ethanol production, whey+molasses substrates, aerobic conditions 1069.

biomass, association, ethanol production, whey+molasses substrates, aerobic biomass, association, administration of the conditions 1069. biomass, nitrogen containing components 1063. biomass, production, straw fermentation 8526. blood culture, isolation, centrifugation+lysis 1529. brewing, beer maturation, use, Lactobacillus casei 7800. ei acetolactate decarboxylase brewing, beer maturation, use, Laclobacillus casei acetolactate decarboxylase 7800.

brewing, fermentation, genetic engineering, biotechnology, conferences 3390. carboxypeptidase Y immobilized enzymes, peptide synthesis applications 63. carboxypeptidase Y immobilized enzymes, peptide synthesis applications 63. cell culture, cyropreservation 4222. cell culture, nutrient requirements, blotin, growth factors, reviews 7787. cell culture, synthetic carbonydrates 5928. cellulose, fermentation 6955. chromosomes DNA, separation methodology 9335. cloning vectors, gene expression, hepatitis B surface antigen, hepatitis B virus vaccines production 6531. cocoa fermentation 5323. cocoa fermentation 5323. cocoa fermentation 5324. contamination, revenesse brines, filtration removal 192. contamination, raw materials use production contamination solventials of the contamination and the contamination pooks 2539. cortexing expression, sylose, cellulose, fermentation, books 2539. distribution of the contamination of the coloning 819. distribution of the contamination of the coloning 819. distribution of the coloning 819. distribution of the coloning 819. distribution of the coloning 819. effects on flavor, beer 2883. enotase, cadmium(II) activation, kinetics, dissociation 3485. ergosterol biosynthesis, inhibition, antifungal activity, bifonazole, clotimizacle 831. enthanol fermentation 6127. dotrimazole 8314.

ethanol fermentation 6127.

ethanol fermentation, toxins, growth rate inhibition 2679.

ethanol production, biotechnology, books 4234.

ethanol production, biotechnology, books 4234.

ethanol production, captan effects on, Zea mays 3845.

ethanol production, captan effects on, Zea mays 3845.

ethanol production, ermentation, cellulose, reviews 6107.

ethanol production, forghum juices Fermentation 5302.

ethy (a -formylpropanoate conversion, ethy(in) -3-hydroxy-2-methylpropanoate production 7768.

ethy/methanesulfonate mutagenesis, methionine over production, single-cell protein 5115. ethylica-ib-nyipropanoate conversion, ethylica-ib-nyipropanoate production 7768. ethylimethanesulfonate mutagenesis, methionine over production, single-cell protein 511. ethylica-ib-nyipropanoate production, single-cell protein 511. extracts, detection, penntoxifylline metabolites, thin-layer chromatography, high-performance liquid chromatography 836. ethylica-ib-nyipropanoate production, gas chromatography 836. ethylica-ib-nyipropanoate ethiology and substitution of the state of t

Yeasts, (continued)
hepatitis B surface antigen expression, vaccines production, hepatitis B virus
6628. 6828, identification, AutoMicrobic test, methodology 1682, identification, characterization, cereals contamination 5471, identification methodology 7638, immobilization, biomass support particles, fermentation, bioreactors 4219, immobilization methodology 812, immobilization, use, beer fermentation 6870, immobilization, use, beer fermentation 6870, immobilization, zeta potential 4221, immobilization, zeta potential 4221, immobilization, zeta potential 4221, immobilization, zeta potential 4221, immobilization, geta potential 4221. immobilized cells bioreactors, ethanol fermentation, molasses feeds contamination 6123.
immobilized cells, continuous culture, ethanol, production, microorganisms, contamination, molasses 7799.
immobilized cells, ethanol production, batch culture 3619.
immobilized cells, ethanol production, batch culture 3619.
immobilized cells, use production industries chemicals 6836.
inorganic pyrophosphatase hydrolysis 5°-OQ-3hiothriphosphate) 3511.
inorganic pyrophosphatase hydrolysis 5°-OQ-3hiothriphosphate) 3511.
inorganic pyrophosphatase interaction, magnesium, manganese, phosphate ligands, X-ray scattering 3487.
isomatiose, production, purification 3534.
isomatiose, production, purification 3534.
ilinear plasmids cloning vectors construction 818.
ilipids production, fatty acid composition 3583.
malate gehydrogenase, malate dehydrogenase, kinetics, poly(ethylene glycol) bound NAD derivatives effect on 76.
c-mannans structure 8614.
marine environment isolates, biodegradation, oil 7310.
mathematical models, growth 1530.
media (isolation) 4225.
membranes, 1,3-B-D-glucans hydrolysis, glycosylation 1883.
methyl-2-methyl-3-Q-furyl)-3-voxpropionate reduction,
methyl-2-methyl-3-Q-furyly-3-voxpropionate reduction,
methyl-2-methyl-3-Q-furyly-3-voxpropionate production 4399.
microflora, bakery products, USSR 191.
mitochondria DNA isolation methodology 5086. methyl-2-methyl-3-(2-furyl)-3-hydroxypropionate production 4399. microflora, bakery products, USSR 191 mitochondria, adenosinetriphosphatase, binding adenosinetriphosphatase inhibitor 905. mitochondria and solation methodology 5086. mitochondria tRNA, characterization, use, gels electrophoresis, methodology 3362. morphology, growth, naphthaquinone, biosynthesis 6563. morphology, growth, naphthaquinone, biosynthesis 6563. mutagenesis, methionine, over production, single-cell protein, yeasts 5115. nitrogen composition, single-cell protein, production, 3728. oxygen effects on ethanol production, musts 6122. peat hydrolysates, fermentation, ethanol production and production, production, production, properature effects on, wort fermentation, beer, flavor 2682. Lephenylatanine conversion, phenethyl alcohol production, cheese ripening 6993. 6-phosphorfuctokinase, purification, characterization 6007. phosphopluconate dehydrogenase stability, comparison yeasts 73. phosphorylase, phosphatase, phosphorylase phosphatase, purification, characterization 933. phosphorylase, phosphorylase kinase phosphorylation, comparison cyclic AMP dependent protein kinase 896. polysaccharides, biosynthesis, industrial applications, reviews 8620. proteins production, optimization, genetic engineering 3423. proteins production optimizat spoilage, confectionery, water activity, pH, temperature, potassium sorbate effects on 8698. effects on 8698. spoilage, vacuum packaging, nitrogen packaging, luncheon meat 8715. starter cultures, aroma, sausages 7858. stereoselectivity, methyl 2-methyl-3-(2-thienyl)-3-oxopropionate reduction 6098. stereoselectivity, methyl 3-phenyl-2-oxobutyrate reduction, α-methyl β-hydroxy esters production 6097. stereoselectivity, methyl 3-(2-furyl)-2-methyl-3-oxopropionate reduction, methyl 3-(2-furyl)-3-hydroxy-2-methyl propionates production 6096. surfaces, interaction Penicillium camembert, role aroma compounds, ripening, Camembert cheese 6186. tetrahydrolotale synthase, antioenic characteristics, cross-reactivity. Cameribert criesse 6 186. Letrahydrofolds synthase, antigenic characteristics, cross-reactivity, structure, formyltetrahydrofolate synthetase, Clostridium acidiurici 8590. transformation, books 842. transformation methodology 816, transformation methodology 817, use, oil, molasses, microorganisms growth association, kinetics mathematical modele 250. use, oil, molasses, microorganisms growth association, kinetics mathematical models 2530.

vertical distribution, indigenous species, ground water 5816.

viability, ethanol production 3632.

wine production, fatty acids by-products, inhibition, fermentation 5286.

wort fermentation, beer brewing 984.

xylan, conversion, triglycerides, characterization 4402.

xylose fermentation, themicelluloses hydrolysates, ethanol production 6935.

D-xylose of ermentation, themicelluloses hydrolysates, ethanol production 6935.

Yellow fever virus,
antigens, detection, agglutination, protein A 4991.

vaccines, assays 6590.

Yellow mosaic virus, plant diseases, Phaseolus aureus, disease control, vectors, Aleyrodidae 3878. Yellow rust,

Puccinia striiformis, Triticum aestivum, pathogenesis 4515. Yellows,

ellows, fungi, disease resistance, plant breeding, Pennisetum clandestinum 294. Fusarium oxysporum f.sp. apii, biological control, non-pathogenic strains, Apium graveolens 6306. Fusarium oxysporum f.sp. apii, disease resistance, inheritance, Apium graveolens

rusarium oxysporum 1.sp.apii, disease resistance, inheritance, Apium graveoler 8066. Spiroplasma citri isolation, disease transmission vectors, Colladonus montanus, Scaphytopius nitridus 8021, Xanthomonas campestris pv.hyacinthi, Scilla tubergeniana 2042.

Spiroplasma citri isolation, disease transmission vectors, Colladonus montanus, Scaphytopius nitridus 8021.

Xanthomonas campestris pv.hyacinthi, Scilla tubergeniana 2042.

Yersinia, identification, AutoMicrobic test 1645. incidence, cow's milk, yersiniosis epidemiology, man, Japan 7007. potassium hydroxide, isolation methodology, feces 696. survival, drinking water, membrane filtration recovery 1494. virulence, bioassays, agglutination 6758.

Yersinia enterocollitica, antibacterial activity, ciprofloxacin 4744. antibiotic resistance, chiorination effects on, sewage Isolates 6437. antibiotic sensitivity testing, clinical isolates, animal isolates 7398. celmenoxime antibacterial activity, companison, celotaxime, moxalactam 1388. clinical isolates recovery, media (selective) methodology 1594. enterotoxins production, food contamination 8753. esisterase, electrophoresis, isoelectric focusing 8856. isolation, feces, potassium hydroxide treatment effects on 3285. media (selective), feces 708. milk food contamination 7004. phage typing, ambibotic sensitivity testing, identification 694. recovery media (selective) antibiotic sensitivity testing, identification 694. veralinal intermedia, bacterioria, artibiotic sensitivity testing, identification 694. Veralinal fraederikasell, phage typing, antibiotic sensitivity testing, identification 694. Veralina fraederikasell, phage typing, antibiotic sensitivity testing, identification 694. Veralina fraederikasell, phage typing, antibiotic sensitivity testing, identification 694. Veralina fraederikasell, phage typing, antibiotic sensitivity testing, identification 694. Veralina fraederikasell, phage typing, antibiotic sensitivity testing, identification 694. Veralina systemental subsepantial activity 1011. Versina paeudotuberculosis, sodium chloride antibacterial activity 1011. Versinal paeudotuberculosis, sodium chloride antibacterial activity 1011. Versina paeudotuberculosis, socioum choride antibacterial activity 1011. Versina paeudotuberculosis, socioum characteria activity

Yersinia ruckeri, media (isolation) 9328

media (isolation) 9328.

Yersinlosis,
spidemiology, man, Yersinia incidence, cow's milk, Japan 7007.

Yield,
Arachis hypogaea, leafspot, Cercospora arachidicola, Cercosporidium personatum,
effects on 7932.
Dioscorea alata, leafspot, Colletotrichum, factors affecting 4588.
Glycine max, Rhizobium inoculation effects on 5577.
Gossypium barbadense, association, fungicides disease control Alternaria
macrospora infection 321.
growth confiliens. Candida utilis 801.

crimus taeota, Prinus ellinottu var.elinottu, relationsnip, fusitorm rust pathology location 8943.

powdery mildew, Erysiphe graminis, effects on, Triticum aestivum, Bulgaria 7959.

Solanum tuberosum, ascociation, infection, potato virus X, potato virus Y, potato leaf roll virus, metribuzin foliar applications effects on 8019.

Solanum tuberosum, metam+sodium use irrigation, disease control, Verticillium dahilae infection, effects on 1209.

Solanum tuberosum, Zea mays, bacteria inoculum soil amendment effects on 8201.

Sorghum bicolor, Azospirillum inoculation effects on 5657.

Sorghum bicolor, Azospirillum inoculation effects on 6367.

Triticum aestivum, comercial microorganisms soil amendment effects on 8960.

Triticum aestivum, fungi infection, fungicides disease control, USA, Idaho 7951.

Triticum aestivum, penypes, leaf rust, powdery mildew, effects on fungi 8098.

Triticum aestivum, infection, Fusarium, Septoria nodorum 7948.

Triticum, Hordeum vulgare, fungicides, field trials, effects on 327.

tubers, ipomoea batatas, Elsinoe batatas scab 8007.

Vijns vinifera clones, leaf-roll, genetic variance, effects on 859.

Vijns vinifera clones, leaf-roll, genetic variance, effects on 859.

Vitis vinifera, plant diseases, grapevine leaf roll virus, growth 4536.

Vitis vinifera, plant diseases, grapevine lear foil virus, grown 4536.

Yogurt,
dairy starfers, buffaloes milk, Lactobacilius bulgaricus, Streptococcus
thermophilus 6989.
dairy starfers, counting methods, ATP assays 6996.
dairy starfers, lactose utilization, man, lactic acid bacteria 4452.
fermented milk products, Lactobacillus bulgaricus, feed efficiency, rats 7011.
media (isolation), Lactobacilius bulgaricus, Streptococcus thermophilus 7006.
production, mathematical models, lactic acid bacteria 6190.
production, mikr fermentation, dairy starfers, continuous culture, lactic acid
bacteria 6997.

Yolk.

Volk agar, media (culture), enumeration, Clostridium sporogenes, spores, methodology 674.

containing media (culture), Mycoplasma pneumoniae growth 1874. effects on physiochemical properties, Streptococcus faecalis subsp.liquefaciens

Yolk, (continued) 6982.

Yolk sac,

chick embryos, Rickettsia prowazekii DNA purification, deoxyribonuclease treatment 5033.

Yugoslavia

animals feeds, mycotoxicosis association ingestion 7048.

aflatoxins detection, food, man, animals feeds 7057

Zambia, Nicotiana tabacum, identification, detection, tobacco vein mottling virus 6271. Zea mays,

sa mays, aflatoxins, agriculture, fungi, fluorescence, Aspergillus flavus 4474. aflatoxins levels, Aspergillus flavus 6204. alkaline food processing, industrial wastes, wastewater treatment 8402. Aspergillus flavus pathogenesis, scanning electron microscopy 6245. barley stripe mocasi crius infection, alcohol dehydrogenase Adh1 gene mutation, nucleotide sequence 7152.

nucleotide sequence 7152.

Basidiomycetes plant diseases, pathogenesis 1111.

black rot, Cochilobolus carbonum, races, virulence, genetic variance, recombination, USA, North Carolina 7962.

capitan effects on ethanol production, yeasts 3645.

carboturan translocation, Giberelia zeas root rot, Puccinia sorghi leaf rust effects on 259.

colonization, Fusarium moniliforme, irrigation effects on seed-borne diseases

comparison, grain, aflatoxins production, food contamination, factors affecting, reviews 7052.

crop residues, Chaetomium cellulolyticum fermentation, n-butylamine pretreatment 183.

rop residues, coupling, 8-D-fructofuranosidase, immobilization 8551 crop residues, iignin, biodegradation, Trichospron penicilitatum 6950, crop residues, iignin, biodegradation, Trichospron penicilitatum 6950, crop residues, silage, fermentation, effects on digestibility, cattle 7877 crop rotation, Triticum aestivum, herbicides effects on soil microorganisms 2929, detection Aspergillus parasiticus aflatoxins food contamination, use, chromatography methodology 7088. disease resistance, inheritance, Puocinia polysora rust 8071, disease resistance inheritance, Puocinia polysora rust 8071, disease resistance plant breeding, Africa 8895, downy mildew, Peronosclerospora sorghi, disease control, foliar applications, metalaxyl, efosite-Al 8126. downy mildew, Peronosclerospora sorghi, disease control, seed treatments, metalaxyl, efosite-Al 8126. downy mildew, Peronosclerospora sorghi, disease control, seed treatments, metalaxyl, efosite-Al 8126. downy mildew, Peronosclerospora sorghi, disease control, seed treatments, metalaxyl, efosite-Al 8126. downy mildew, Peronosclerospora sorghi, disease control, seed treatments, metalaxyl, efosite-Al 8126.

sportirichioides 5365.
epidemics, leaf blight, relationship, mat gene, Cyhl gene, Albl gene,
Cochiobolus heterostrophus 3805.
food contamination, mycotoxins, intoxication, cattle 6205.
food contamination, mycotoxins detection 7083.
genes, roots bloasasys, phytotoxins, statucture of the sport of the spor

inoculation 1169.
Helminthosporium carbonum, phytotoxins, structure-activity relationships 1983. Helminthosporium turcicum blight, Egypt, Arab Rep. 2792. hybrids, endosperm characterization association aflatoxins contamination, environmental effects 6724. hybrids, seeds, Aspergillus flavus growth, aflatoxins biosynthesis 8083, leaf blight, Cochliobolus heterostrophus, auxotrophs, population studies 1981. leafspot, Hungary, Macrophoma zeae 7969. leafspot, Hyalothyridium maydis sp.nov. 7983. leafspot, Hyalothyridium maydis sp.nov. 7983. leafspot, studies for, Maracinellus, Mexico 6794. maize dwarf mosaic virus disease resistance transfer, genetic analysis 4584. maize streak virus, disease transmission, Auchenorrhyncha 7154. mitochondria, calcium transport, inhibition, T. toxin, Helminthosporium maydis 7155. phylloplane electrical properties, phytopathogenic fungi spores discharges 7145.

hylloplane electrical properties, phytopathogenic fungi spores discharges 7143, phylloplane electrical properties, phytopathogenic fungi spores discharges 7925, phytotoxins, Helminthosporium maydis, structure-activity relationships, analogs 1955.

phytobxins, Helminthosporium maydis, structure-activity relationships, analogs 1955.

plant breeding, disease resistance, field trials, maize dwarf mosaic virus 5495.

plant breeding, disease resistance, seeds infection, Fusarium monilitorne 8074.

plant breeding, hybrids, disease resistance, Gibberella zeae, ear rot, zearalenone, 4-deoxynivalenol, production 1180.

plant diseases, barley yellow dwarf virus, susceptibility 4513.

hizophere, bacteria population levels 7264.

root rot, Pythium, Fusarium, soils (sandy) 1998.

root rot, tythium, Fusarium, soils (sandy) 1998.

root rot, stalk rot, role, Phialophora zeicola sp. nov., South Africa 264.

roots, colonization, acticium oxide, soil amendment effects on soil pH, Glomus mosseae, Gigaspora margarita 5629.

roots, membrane potential, protons pumps, fusicoccin effects on 8739.

rust, Puccinia sorghi, virulence 5423.

seed germination, seed treatments, benomyf, tiabendazol 2094.

seed reatments, captan, benomyf, fungl, disease control 2093.

seeds, detection, Peronosclerospora sorghi, osspores 7964.

seeds, Jungi infection, climatic conditions 1992.

seeds, levels, fusicoccin, infection, Fusicoccum amygdali 8740.

silage, ammonia pretreatment effects on fermentation 4467.

Subject Index Zea mays, (continued) ea mays, (comunue0) silage fermentation, acid production, lactic acid bacteria 7873. silage, fermentation, inoculation, lactic acid bacteria 7876. silage, spoliage, microorganisms, y radiation prevention 6202. smut, Sphacelotheca reillana, factors affecting incidence 8795. stalk rot, Ernnia chrysanthemi, klorocin disease control, tissues persistence stalk rot, Fusarium graminearum, overwintering, crop residues, USA, Minnesota 7967.
starch, sweeteners production, immobilized enzymes, microorganisms 5188.
susceptibility, Helminthosporium T-toxin, reviews 1123.
yield, bacteria incoclum soil amendment effects on 8201.
yield, inoculation, Azospirillum brasilense+vesicular-arbuscular mycorrhizas,
nitrogen fixation, untrient uptake 1257.
yield, vesicular-arbuscular mycorrhizas, inhilation, fertilizer
applications+composts 3948.
Zarralenol, et al. (1998) Eventium mathedokum 2748. detection, media (culture), Fusarium, methodology 3748. α-Zearalenol, conversion, zearalenone biosynthesis, Fusarium roseum 6100. β-**Zearalenoi**, conversion, zearalenone biosynthesis, Fusarium roseum 6100. earalenone, biosynthesis, Fusarium roseum, conversion, α-zearalenol, β-zearalenol biosymnesis, Fusanum roseum, conversion, a-zearaiento, p-zearaiento 6100.

detection, animals feeds, methodology, use, high-performance liquid chromatography, thin-layer chromatography 7053.
detection, Fusanum ear rot, Zea mays 7063.
detection, media (culture), Fusanum, methodology 3748.
food contamination, man, animals, screening, methodology, reviews 7079.
Fusanum, biosynthesis, role, plant diseases, reviews 7100.
Fusanum, incident, wheat, barley, rye, com 1079.
incidence, wheat 1927.
mycotoxicosis, association ingestion animals feeds, Yugoslavia 7048.
production, Fusanum, scab, Graminese, animals ingestion, toxicity, reviews 7056.
production, Fusanum, scab, Graminese, animals ingestion, toxicity, reviews 7056.
production, Fusanum, scab, Graminese, animals ingestion, toxicity, reviews 7056.
production, Gibberella zeae, ear rot, disease resistance, plant breeding,
flybrids, Zea mays 1180.

Zele chlorophthalmen, bost-parasite interactions, predator-prey
interactions, Spodoptera littoralis, Bacillus thuringlensis, Paederus alferii,
Egypt, Arab Rep. 128.
Zephyranthes,
disease resistance, infection, Sclerotium cepivorum 8043.
Zeta potential,
immobilization, yeasts 4221. immobilization, yeasts 4221.

ZImmercananiella trispora, leafspot, Mangifera indica 8808. Inc,
alanine carboxypeptidase containing, active sites inhibition, heavy metals,
β-lactam antibiotics, Streptomyces albus 5985.
biomass levels, nutrient cycles, soil microorganisms 6347.
Cicer arietinum, effects on ritrogen fixation, nodulation, Rhizobium 4650.
+ hexetidine, drug synergism, antibacterial activity, Streptococcus mutans 5860.
levels, brewing, fermentation, yeasts 6128.
evels, brewing, fermentation, yeasts 6128.
nutrient requirements, Aspergillus aflatoxins biosynthesis 7068.
nutrient requirements, Aspergillus aflatoxins biosynthesis 7068.
nutrient uptake, mycorrhizas, plants 5652.
nutrient uptake, stimulation, vesicular-arbuscular mycorrhizas, Arachis hypogaea
5641 5641 5841.
oxides, inhibition Rhizobium leguminosarum var.trifolii nodulation, Trifolium 7294.
sensitivity, soil microorganisms 1261.
versicolorins production, effects on, Aspergilius parasiticus 7887.
Zina chloride, pretreatment, celiulose, hydrolysis, cellulase 3656. ne proteinase, interaction oxylmino-cephalosporins, structure-activity relationships, Streptomyces 6832. bidens mottle virus infection susceptibility 3825. Inniol, production, phytotoxins, Alternaria 7903.

Zizania aquatica, Colletotrichum sublineolum anthracnose 1135. Zizyphus mauritiana, post-harvest decay, fruit rot, fungi 8876. Zooglosa, biodegradation organic compounds, activated sludge 7490.

Dibuggi audinori organic componente, audinori organic control of the Conference of t

cophthora redicans, sporulation techniques, leces 4206.

sporulation, temperature effects on, mortality, biological control, Therioaphis trifolii 1820.

Triolli 1855.
Zoospores,
survival, Phytophthora cinnamomi, Rhizobium, effects on 7262.
Zucchini yellow mosalc virus,
disease resistance, inheritance, zym gene, linkage analysis, Cucumis melo 5478.
host range, USA, Florida 3815.
plant diseases, Cucumis sativus, Lebanon 4544.
plant diseases, Cucumis sativus, Lebanon 4544.
plant diseases, Cucumitaceae, USA 6269.

biological control, Metarhizium anisopliae inoculum production, factors affecting 5266. Zygomycetes

ectomycorrhizas, leaves, Tozzia alpina 8204.

Zymomonas,
sucrose fermentation, ethanol production, reactors 153.

Zymomonas anaerobia, Clostridium saccharolyticum, mixed culture, ethanol production, fermentation, cellobiose, glucose, xylose, mixtures 8661 Zymomonas mobilis,

acridine orange, mutagenesis, ethanol production 5267, batch culture, glucose fermentation, ethanol production 3602

Zymomonas mobilis, (continued)
calcium+ aligin immobilized cells, ethanol production 2675.
carbon sources, effects on, growth, morphology, ethanol, production 3615.
carrageenans immobilized cells, glucose fermentation, ethanol production 5300.
ethanol fermentation 2694.

ethanol, fermentation 3614. ethanol production 3591. ethanol production 3638 ethanol production 5274

ethanol production 5274.

ethanol production 7795.

ethanol production, 2019 professor 5293.

ethanol production, isoleractors 5293.

ethanol production, comparison 986.

ethanol production effects on growth 5282.

ethanol production, fermentation, methodology, reviews 6109.

ethanol production, furctorse substrates, factors facticing, kinetics 148.

ethanol production, sugars fermentation, starch, prefreatment, amylotytic enzymes

emantor production, sugars refinentiation, starcin, pretreatment, amylonytic entrym 8663.

ethanol production, wood hydrolysates, hydrogen fluoride pretreatment 5270. fermentation, extracellular levels, ethanol, carbon dioxide, effects on 149. fluor stimulation, ethanol fermentation 2680. fructose, concentration, effects on, ethanol, production 996. fructose fermentation, ethanol production 6529. genetic engineering, ethanol, production, fermentation, reviews 6112. glucose isomerase, activity 6878. immobilized cells, bioreactors, ethanol production 3618. immobilized cells, ethanol, fermentation 166. immobilized cells, ethanol production, bioreactors 3634. immobilized cells, ethanol production, bioreactors 3634. immobilized cells, ethanol production, bioreactors 3634. immobilized cells, ethanol production, per service immobilized enzymes 18. isolation methodology, relationship ethanol production 4415. phospho-2-keto-3-deoxy-gluconate addolase, purification, characterization, dyes ligands chromatography 4293. phosphogluconate dehydratase, purification, characterization, affinity chromatography 4293. sucrose fermentation, ethanol production, reactors 153.

304

## **JOURNALS**

nimal Behavior Abstracts® quatic Sciences & Fisheries Abstracts®:

- Part 1 Biological sciences & living resources.
- Part 2 Ocean technology, policy & non-living resources.

SFA® Aquaculture Abstracts iochemistry Abstracts:

- Part 1 Biological Membranes
- Part 2 Nucleic Acids
- Part 3 Amino-acids, Peptides & Proteins

iotechnology Research Abstracts

alcified Tissue Abstracts® hemoreception Abstracts®

omputer & Information Systems

**Abstracts Journals** 

onference Papers Index®

SA Neurosciences Abstracts

## **BACK VOLUMES**

ack volumes are available for all CSA urnals more than one year old, in either inted or microfiche form.

## **MAGNETIC TAPE**

the CSA journals are available on agnetic tape in machine-readable form recurrent awareness and retrospective atch searching. Contact CSA Marketing epartment for specifications and prices at 01-951-1403.

Ecology Abstracts®
Electronics & Communications
Abstracts Journal

Entomology Abstracts®

Genetics Abstracts®

Immunology Abstracts®

ISMEC (Information Service in

Mechanical Engineering) Bulletins Microbiology Abstracts®

- Part A Industrial & Applied
- Part B Bacteriology
- Part C Algology, Mycology, Protozoology

Oceanic Abstracts®

Pollution Abstracts®

Safety Science Abstracts Journal

Solid State Abstracts Journal

Toxicology Abstracts®

Virology Abstracts®

## **ONLINE**

Some of the above journals are available in differing online information systems including:

- ☐ DIALOG® Information Retrieval Service
- ☐ Bibliographic Retrieval Service
- ☐ Information Retrieval Service (European Space Agency)
- System Development Corporation Search Service.

For further details contact CSA Database Services, toll free at 800-638-8076. In Maryland and outside continental U.S., call 301-951-1300.